



Powered by: RTC Monte Carlo X^{TM}

Moneyball for Project Management

Chrono[™] Training Reference Guide

Version 3.3 – November 2024



Chrono[™] Training Reference Guide IMS (Integrated Master Schedule) SRA (Schedule Risk Analysis) ES (Earned Schedule) EVM (Earned Value Management)



Moneyball for Project Management

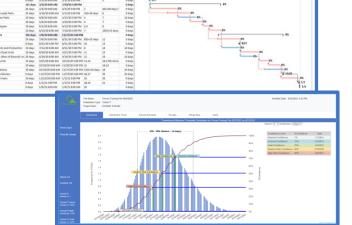
Chrono[™] MS, SRA, ES & EVM Training Agenda

SECTION 1

- The Two Template Files
- ➢ Running the <u>First</u> Template File Downloaded with Chrono™
- ➤ Creating an IMS (Integrated Master Schedule) with Chrono[™]
- ➢ Performing an SRA (Schedule Risk Analysis) with Chrono™
- ➢ Performing ESM (Earned Schedule Management) with Chrono™

SECTION 2

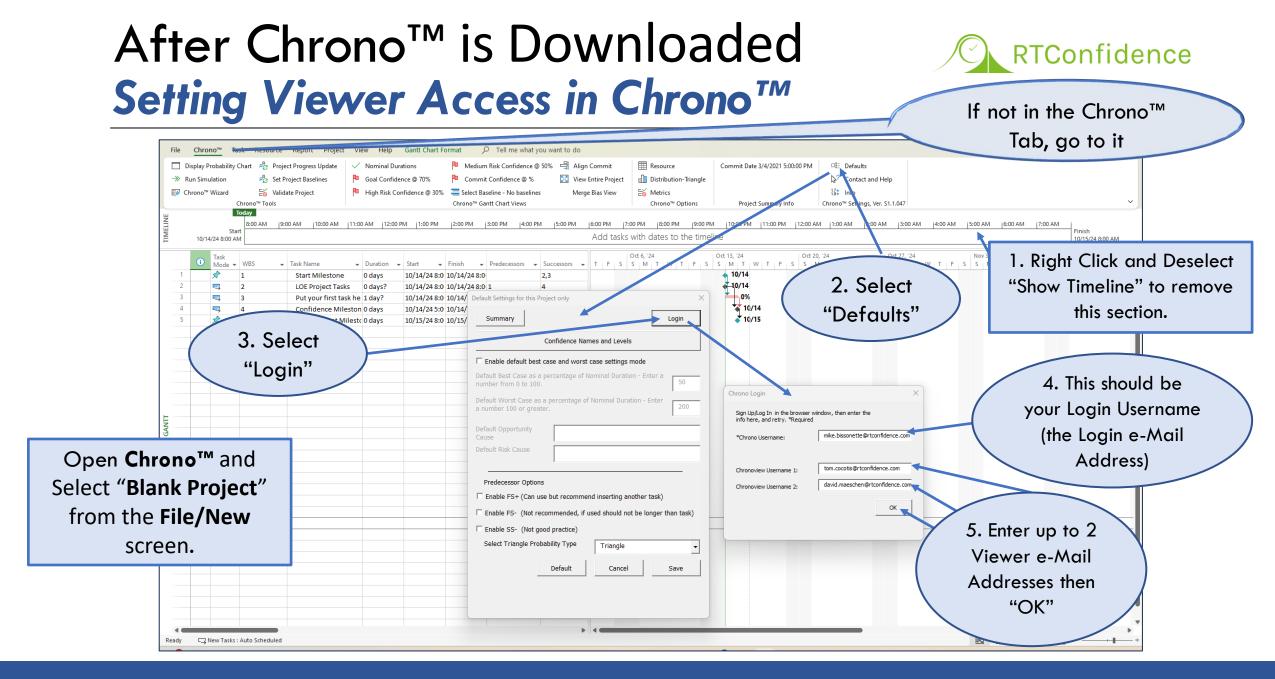
- ➢ Running the <u>Second</u> Template File Downloaded with Chrono[™]
- ➢ Creating an EVM-Ready IMS with Chrono[™]
- ➢ Performing EVM (Earned Value Management) with Chrono™
- Inputting Actual Costs for EVM



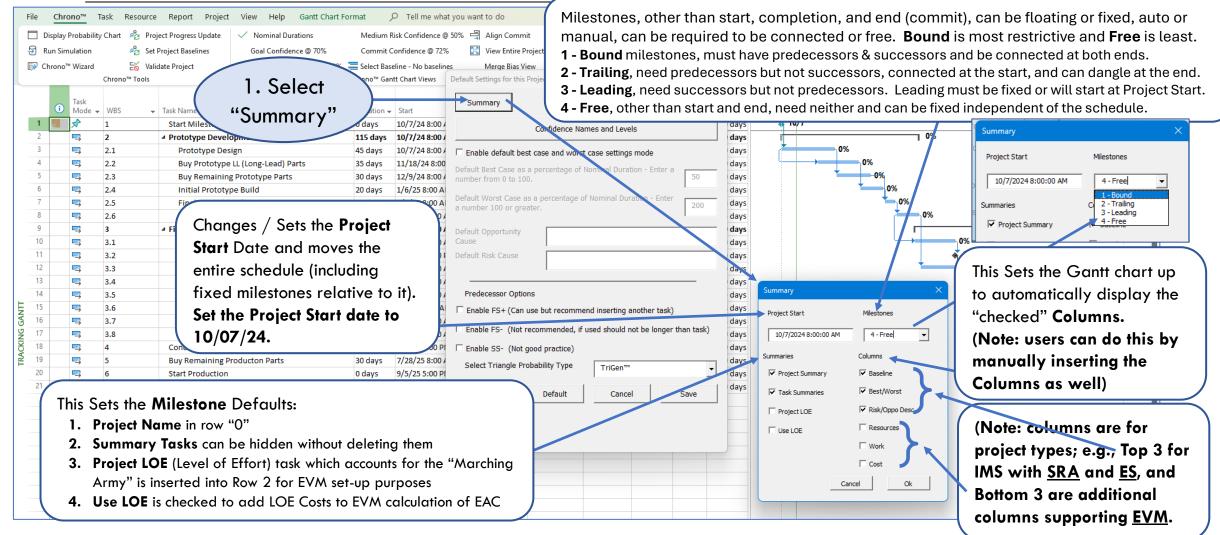








More on Chrono[™] Defaults *"Summary" Viewer in Chrono[™] Defaults*



After ChronoTM is Downloaded **Download These Files – We Create them During this Training**

There are 2 Completed IMS Templates Available (one for Basic IMS and one for EVM)

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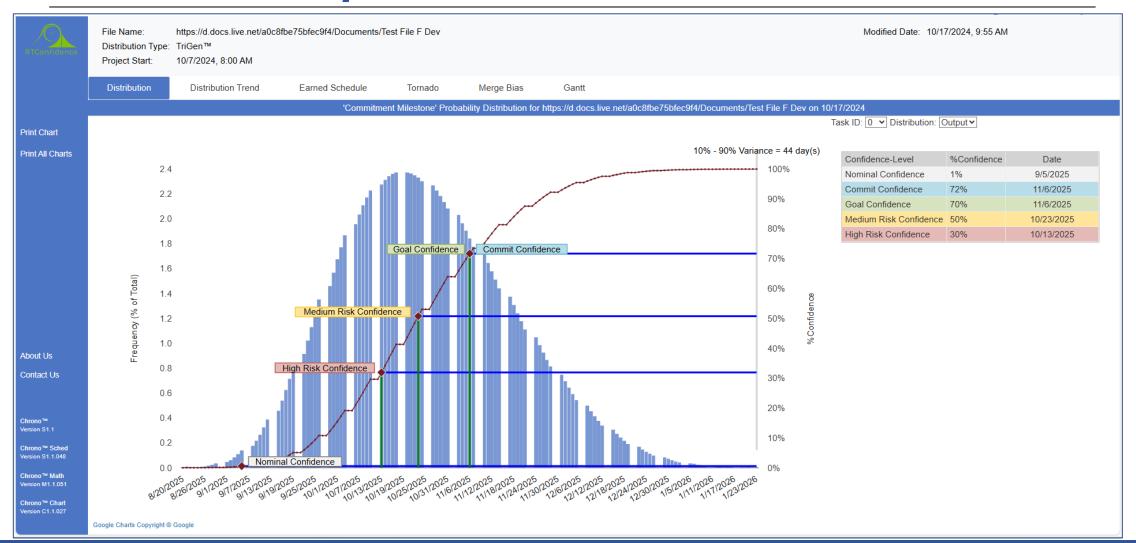
After Chrono[™] is Downloaded <u>Select: \Documents\RTConfidence\ChronoTraining.mpt</u>

This is a Completed IMS ready for SRA. Save_As and then follow the below Instructions

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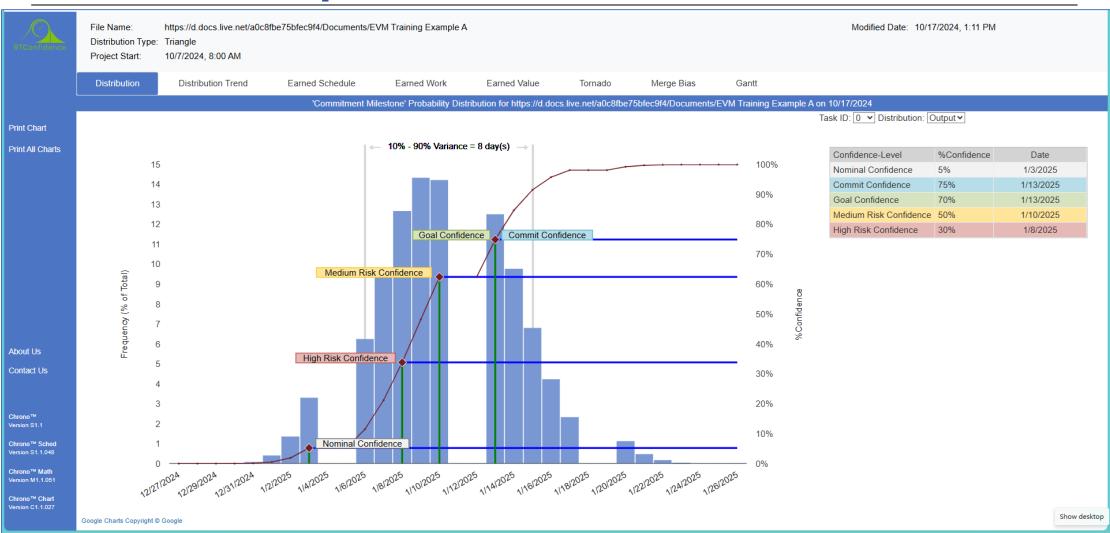


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This is a Completed IMS ready for EVM. Save_As and then follow the below Instructions

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Simple EVM Template File.mpt Simulation Output







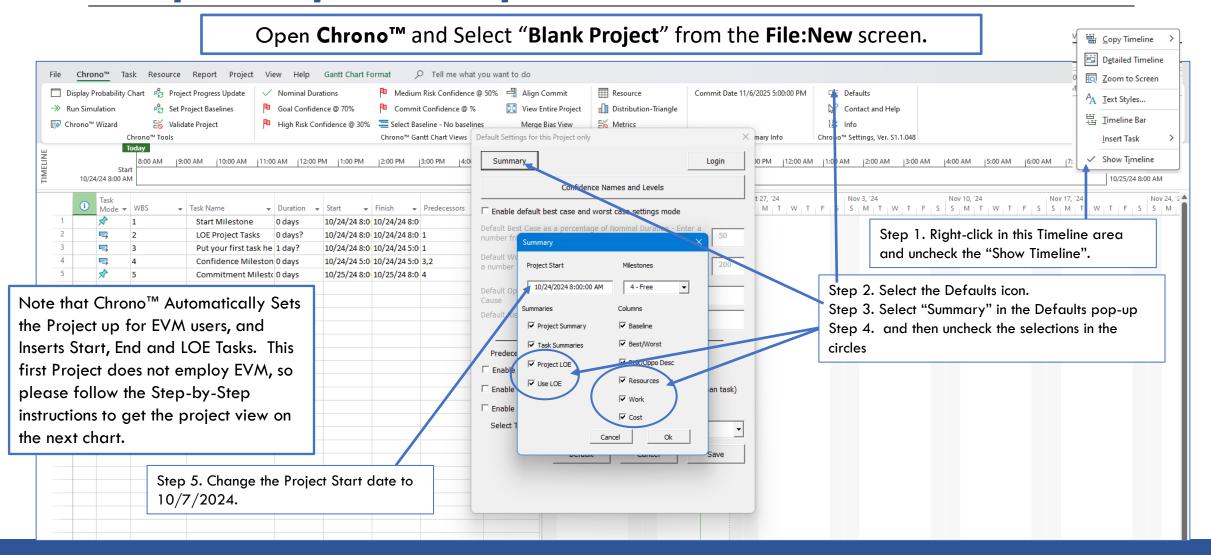
Section 1

The IMS (Integrated Master Schedule) **Example of Creating an IMS**

CHRONO[™] TRAINING REFERENCE GUIDE

Creating an IMS – Example Sample Project Set-up





Creating an IMS – Example Sample Project Set-up from Scratch



	 Display Probability Chart P²₂₃ Project Progress Update → Run Simulation P²₂₃ Set Project Baselines ↓ Chrono[™] Wizard Solution Tools ↓ Task Name 	 Nominal Durations Goal Confidence @ 7 High Risk Confidence 	70% 🏴 Commit Co	nfidence @ % 🔀 Vie ne - No baselines Me	rge Bias View 😸 Metr Chro	ution-Triangle s o™ Options	tt Date 10/10/2024 8:00:00 Al Project Summary Info Oct 20, '24 T F S S M T	$ \begin{array}{ c c c c } \label{eq:main_state} M & \square \stackrel{\square \stackrel{\square}{\cong} & Defaults \\ & & & & \\ &$	
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Creating an IMS – Example Sample Project Set-up



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Step 1. Select the first cell in the 3rd row and drag it down 14 more rows. Then right-click and select "Insert Task" from the drop-down menu.

Step 2. Starting at Row 2, enter the **Task Names** highlighted in green on the next chart (between the **Start Milestone** and **Commitment Milestone**). Hint: you can "cut and paste" to add the task names quicker.

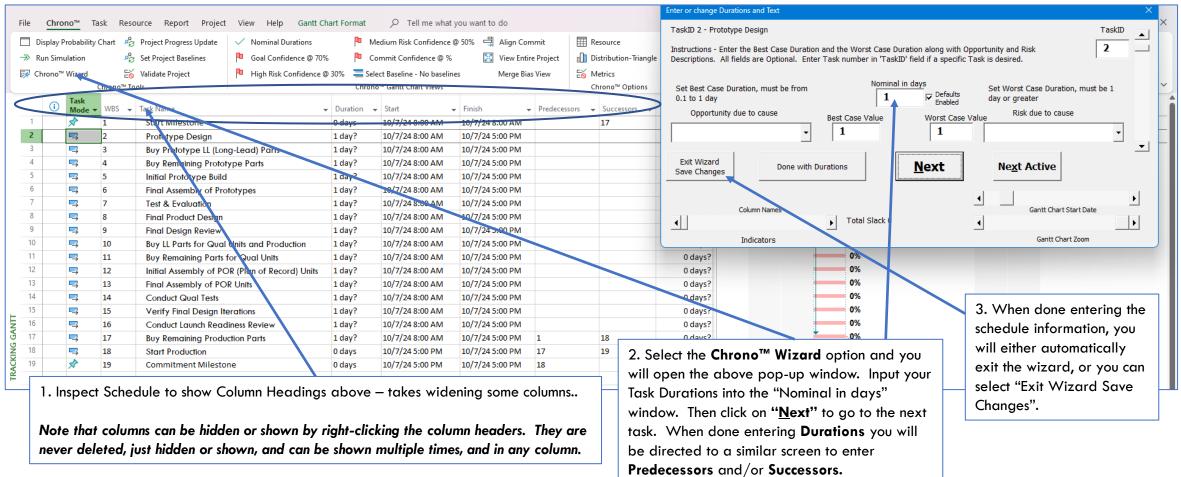
Step 3. Start the **Chrono™ Wizard** and per its instructions enter the information highlighted in grey on the next chart (note that the Wizard asks for "Nominal in days" – which is "Duration" in the table). When done, select "Exit Wizard Save Changes". Then select **View Entire Project** again.

Creating an IMS – Example Task Information



Task ID	Task Name	Duration	Predecessors	Successors	
1	Start Milestone	0 days		2	
2	Prototype Design	45 days	1	3SS+30 days,4	
3	Buy Prototype LL (Long-Lead) Parts	35 days	2SS+30 days	5	
4	Buy Remaining Prototype Parts	30 days	2	6	After typing in t
5	Initial Prototype Build	20 days	3	6	Task Names, ent
6	Final Assembly of Prototypes	10 days	4,5	7	the information
7	Test & Evaluation	20 days	6	8SS+15 days,10	under Duratior
8	Final Product Design	35 days	7SS+15 days	9	and Predecesso
9	Final Design Review	0 days	8	11	via the "Chrono
10	Buy LL Parts for Qual Units and Production	30 days	7	12	Wizard" – see
11	Buy Remaining Parts for Qual Units	30 days	9	13	next Chart
12	Initial Assembly of POR (Plan of Record) Units	20 days	10	13	
13	Final Assembly of POR Units	15 days	11,12	14,15SS+10 days	
14	Conduct Qual Tests	20 days	13	16,17	
15	Verify Final Design Iterations	30 days	13SS+10 days	16	
16	Conduct Launch Readiness Review	0 days	14,15	18	
17	Buy Remaining Production Parts	30 days	14	18	
18	Start Production	0 days	16,17	19	
19	Commitment Milestone	0 days	18		

Creating an IMS – Example Using the "Chrono™ Wizard"

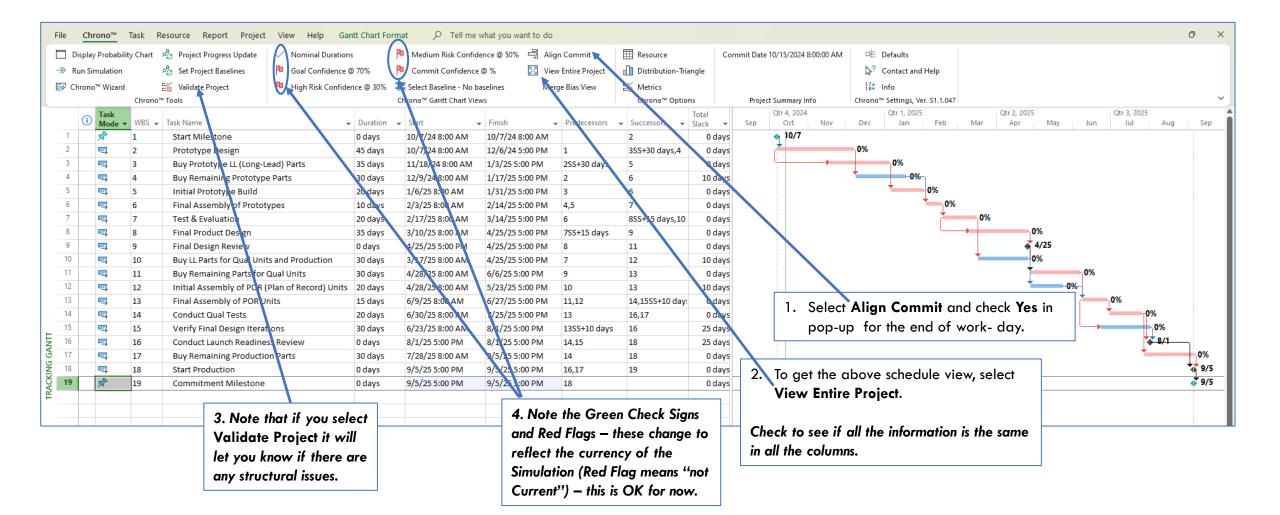




Creating an IMS – Example Interim Result with Predecessors and Successors

	ulation	~	 Project Progress Update Set Project Baselines 	 Nominal Durations Goal Confidence @ 705 		Medium Risk Confidence @	, , ,		Resource Distribution-Triangle	Commit Date	10/10/2024 8:00:00 AM	다. Defaults 요? Contact and Help		
				-		_			5					
¹ Chrono™		-	Validate Project	High Risk Confidence		elect Baseline - No base	lines Merge	Bias View 🛛 🗟	Metrics			1.7+ 1.8+ Info		
		Chrono™ To	ools		Chro	ono™ Gantt Chart Views			Chrono™ Options		t Summary Info October 2024	Chrono™ Settings, Ver. S1.1.048 November 2024	December 2024	January
(i)	Mode -	WBS 🚽	Task Name	-	Duration -	Start	- Finish	- Predecessors	- Successors -			22 27 1 6 11		
1	×	1	Start Milestone		0 days	10/7/24 8:00 AM	10/7/24 8·00 AM		2	0 days	4) 10/7			
2		2	Prototype Design	K	45 days	10/7/24 8:00 AM	12/6/24 5:00 PM	1	33S+30 days,4	0 days	*		-0,%	
3		3	Buy Prototype LL (Lon	g-Lead) Parts	35 days	11/18/24 8:00 AM	1/3/25 5:00 PM	2SS+30 days	5	0 days			→	-0%
4	-	4	Buy Remaining Protot		30 days	12/9/24 8:00 AM	1/17/25 5:00 PM	2	6	10 days			+	
5	-	5	Initial Prototype Build			1/6/25 8:00 AM	1/31/25 5:00 PM	3	6	0 days				+
5	-	6	Final Assembly of Pro	totypes	10 days	2/3/25 8:00 AM	2/14/25 5:00 PM	4,5	7	0 days				
7	-	7	Test & Evaluation		20 days	2/17/25 8:00 AM	3/14/25 5:00 PM	6	8SS+15 days,10	0 days				
3	□ →	8	Final Product Design		35 days	3/10/25 8:00 AM	4/25/25 5:00 PM	7SS+15 days	9	0 days				
9	-	9	Final Design Review		d days	4/25/25 5:00 PM	4/25/25 5:00 PM	8	11	0 days				
0	-	10	Buy LL Parts for Qual	Units and Production	30 days	3/17/25 8:00 AM	4/25/25 5:00 PM	7	12	10 days				
1	-	11	Buy Remaining Parts	for Qual Units	30 days	4/28/25 8:00 AM	6/6/25 5:00 PM	9	13	days				
2	-	12			20 days	4/28/25 8:00 AM	5/23/25 5:00 PM	10	13	10 days				
3		13	Final Assembly of PO	R Units	15 days	6/9/25 8:00 AM	6/27/25 5:00 PM	11,12	14,15SS+10 days	0 days				
4		14	Conduct Qual Tests		20 days	5/30/25 8:00 AM	7/25/25 5:00 PM	13	16,17	0 days				
5		15	Verify Final Design Ite	erations	30 days	6/23/25 8:00 AM	8/1/25 5:00 PM	1355+10 days	16	25 days				
5	-	16	Conduct Launch Read	iness Review	0 days	8/1/15 5:00 PM	8/1/25 5:00 PM	14,15	18	25 days				
7		17	Buy Remaining Produ	ction Parts	30 days	7/28/25 8:00 AM	9/5/25 5:00 PM	14	18	0 days				
8		18	Start Production		0 days	9/5/25 5:00 PM	9/5/25 5:00 PM	17,16	19	0 days				
9	*	19	Commitment Milesto	ne	0 days	10/7/24 5:01 PM	10/7/24 5:00 PM	18		239 days	G 10/7			
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Creating an IMS – Example Interim Result with Predecessors and Successors



Creating an IMS – Example Interim Result with Only Summary Tasks to be Added

🔲 Disp	play Probability Cł	iart 👷	Project Progress Up	odate 🧹 Nominal Durat	ions	Medium Risk	Confidenc	ce @ 50% 斗 Align C	ommit	Resource	Commit Date	10/10/2024	4 8:00:00 AN	M □≝ Defaults			
→ Run	Simulation	2 2	Set Project Baseline	es 🏴 Goal Confiden	ce @ 70%	Commit Conf	fidence @ '	% 🔀 View En	ntire Project	Distribution-Triangle							
🐼 Chro	ono™ Wizard	Eŏ	Validate Project	🏴 High Risk Conf	fidence @ 30% 🚦	Select Baseline	- No base	lines Merge E	Bias View	🗟 Metrics				1.7* Info			
	Ch	rono™ Too	ols			Chrono™ Gantt Ch	nart Views			Chrono™ Options	Project	t Summary	Info	Chrono™ Settings, Ver. S1.1.048			
	i Task Mode 🕶	WBS 🖵	Task Name		- Duration	start			Predecessors	✓ Successors ✓	Total Slack 👻	Sep	Qtr 4, 2024 Oct	4 Qtr 1, 2025 Nov Dec Jan Feb	Qtr 2, 2025 Mar Apr May Ju	Qtr 3, 2025 In Jul Aug	
1	🖈 1		Start Milestone	2	0 days	10/7/24 8:	00 AM	10/7/24 8:00 AM		3	0 days		4 10/7				-
2	Image: Second secon		Prototype Deve	elopment	1 day?	10/7/24 8:	00 AM	10/7/24 5:00 PM			239 days?		0%				
3	📑 3		Prototype Desi	ign	45 day	s 10/7/24 8:	00 AM	12/6/24 5:00 PM	1	4SS+30 days,5	0 days		(0%			
4	- 4		Buy Prototype	LL (Long-Lead) Parts	35 day	rs 11/18/24 8	3:00 AM	1/3/25 5:00 PM	3SS+30 do	1ys 6	0 days		ų	0%			
5	l → 5		Buy Remaining	Tw Cen MT v 12	v <u>≡</u> <u>≡</u> p	s 12/9/24 8:	00 AM	1/17/25 5:00 PM	3	7	10 days			-0%			
6	□		Initial Prototyp	BIONA	പ് 🚍 🗸 🔥 ല	s 1/6/25 8:0	0 AM	1/31/25 5:00 PM	4	7	0 days			0%			
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19		.9	Buy Remaining		30 day			9/5/25 5:00 PM	16	20	0 days						
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2 – '	"Prototyp	e De	velopment	"				•	, .	shown here.							
	"Final Pro		-				sele	ching me ind	iem icon	snown nere.							

Creating an IMS – Example Final IMS

Displ	ay Probabili	ty Chart 🤘	a Project Progress Update 🛛 🗸 Nominal Durations	P	Medium Risk Confidenc	:e @ 50% 🚽 Align C	commit 🔳	Resource	Commit Date	9/5/2025 5:00:00 PM	□≣ Defaul	ts				
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_	□ →	2	Prototype Development	115 days	10/7/24 8:00 AM	3/14/25 5:00 PM			0 days				0%			
		2.1	Prototype Design	45 days	10/7/24 8:00 AM	12/6/24 5:00 PM	1	4SS+30 days,5	0 days		0%					
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	□ →	2.4	Initial Prototype Build	20 days	1/6/25 8:00 AM	1/31/25 5:00 PM	4	7	0 days			0	%			
	-	2.5	Final Assembly of Prototypes	10 days	2/3/25 8:00 AM	2/14/25 5:00 PM	5,6	8	0 days				0%			
		2.6	Test & Evaluation	20 days	2/17/25 2:00 AM	3/14/25 5:00 PM	7	10SS+15 days,12	0 days				0%			
		3	Final Product Develop	105 days	3/10/25 8:00 AM	8/1/25 5:00 PM			0 days						0%	6
		3.1	Final Product Design	35 days	3/10/25 8:00 AM	4/25/25 5:00 PM	8SS+15 days	11	0 days					0%		
		3.2	Final Design Review	0 days	4/25/25 5:00 PM	4/25/25 5:00 PM	10	13	0 days					a 4/25		
		3.3	Buy LL Parts for Qual Units and Production	30 days	3/17/25 8:00 AM	4/25/25 5:00 PM	8	14	10 days				*	0%		
		3.4	Buy Remaining Parts for Qual Units	30 days	4/28/25 8:00 AM	6/6/25 5:00 PM	11	15	0 days					(T	0%	
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		3.6	Final Assembly of POR Units	15 days	6/9/25 8:00 AM	6/27/25 5:00 PM	13,14	16,17SS+10 days	0 days					Ť	0%	
		3.7	Conduct Qual Tests	20 days	6/30/25 8:00 AM	7/25/25 5:00 PM	15	18,19	0 days						0%	
		3.8	Verify Final Design Iterations	30 days	6/23/25 8:00 AM	8/1/25 5:00 PM	15SS+10 day	/s 18	25 days					L		
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		5	Buy Remaining Production Parts	30 days	7/28/25 8:00 AM	9/5/25 5:00 PM	16	20	0 days						*	
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Project Calendar Considerations Changing the Calendar is the Only non-ChronoTM Function

Below is an example for customizing the calendar

Notes:

- Even though this example does not require Calendar changes, in real life all nonwork-days (i.e., Holidays) should be entered into the "Standard Project Calendar".
- To set an IMS up for SRA and ES processing only ONE Calendar can be used. The Chrono[™] default is the "Standard (Project Calendar)".

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For <u>c</u> ale	endar:	Standard (Project	t Calen	dar)				¥		Cr	eate <u>N</u>	ew Calendar
Calend	ar 'Stan	dard' is a base cal	endar.									
Legend	i:		Click	on a	day t	o see	e its <u>w</u>	orkir	ng tin	nes: Working tim	es for J	anuary 11, 2016:
				Ji	anu	ary	20	16		^		
	Workin	g	S	м	Т	Ŵ	Th	F	S	 8:00 AM 1:00 PM 		
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L			3	4	5	6	7	8	9	Based on:		
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On th	is calen	dar:	10	11	12	13	14	15	16	'Standard	r.	
21			17	18	19	20	21	22	23			
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3		sgiving holidays				·····•	11/26			11/27/2015	-	
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10	thank	aivina 2016					11/3/	/2016	:	11/25/2016	•	
He	aln								0	otions OI	v 1	Cancel

To get to this screen, Select the "Project" tab and then "Change Working Time".

> Additional Org. Calendar Info.

Assessing IMS 14-Point Metrics This Training IMS Meets Chrono[™] Metrics



-	hrono™		source Report Project View Help Gantt C		,	at you want to do						this Pop	-				D
	ay Probabi		Project Progress Update Vominal Durations		edium Risk Confidence (Commit Date 9/5/2				Table ap	pears			
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		1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	0 days	10/7							:
		2	Prototype Development	115 days	10/7/24 8:00 AM	3/14/25 5:00 PM			0 days				0	%			
-		2.1	Prototype Design	45 days	10/7/24 8:00 AM	12/6/24 5:00 PM	1	4SS+30 days,5	0 days	*	0%		-				
	-	2.2	Buy Prototype LL (Long-Lead) Parts	35 days	11/18/24 8:00 AM	1/3/25 5:00 PM	3SS+30 days	6	0 days	L	→	0%					
		2.3	Buy Remaining Prototype Parts	30 days	12/9/24 8:00 AM	1/17/25 5:00 PM	3	7	10 days		+	-0%					
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		2.5	Final Assembly of Prototypes	10 days	2/3/25 8:00 AM	2/14/25 5:00 PM	5, Project Metrics		0 days			+	0%				
		2.6	Test & Evaluation	20 days	2/17/25 8:00 AM	3/14/25 5:00 PM	7		0 days				09	6			
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2	-	3.3	Buy LL Parts for Qual Units and Production	30 days	3/17/25 8:00 AM	4/25/25 5:00 PM	8 1 Logic	0 / 14 0 / 22	10 days				*	0%	6		
	-	3.4	Buy Remaining Parts for Qual Units	30 days	4/28/25 8:00 AM	6/6/25 5:00 PM	2 Leads 1 1 3 Lags	3 / 22 *	0 days					*	0%		
	-	3.5	Initial Assembly of POR (Plan of Record) Unit	s 20 days	4/28/25 8:00 AM	5/23/25 5:00 PM	12 5 H Constraints	3 / 22 * 0 / 14	10 days					*	-0%-		
i	□	3.6	Final Assembly of POR Units	15 days	6/9/25 8:00 AM	6/27/25 5:00 PM	13 6 High Float 7 Negative Float	0/14 t 0/14	0 days							0%	
j	□	3.7	Conduct Qual Tests	20 days	6/30/25 8:00 AM	7/25/25 5:00 PM	15 8 High Duration	n 1/14*	0 days							0%	
·	□	3.8	Verify Final Design Iterations	30 days	6/23/25 8:00 AM	8/1/25 5:00 PM	9 Invalid Dates 10 Resources	0 / 14	25 days						L)%
	□	4	Conduct Launch Readiness Review	0 days	8/1/25 5:00 PM	8/1/25 5:00 PM	16 11 Missed Tasks 12 Critical Path	0/0 0/1	25 days							A	8/1
	□	5	Buy Remaining Production Parts	30 days	7/28/25 8:00 AM	9/5/25 5:00 PM	16 13 CPLI	240 / 240	0 days							*	
)		6	Start Production	0 days	9/5/25 5:00 PM	9/5/25 5:00 PM	14 BEI	0/0	0 days								
	*	7	Commitment Milestone	0 days	9/5/25 5:00 PM	9/5/25 5:00 PM	20 * Fail		0 days								•
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see the saved Metrics table in the Notes



SRA (Schedule Risk Analysis) Training **Example of Performing SRA**

CHRONO[™] TRAINING REFERENCE GUIDE

Performing SRA – Example Changing Defaults



File C	hrono™	Task	Resource Report Project	View Help Gantt Ch	art Format	𝒫 Tell me what	you want to do					Ō
Disp	lay Probabilit	ty Chart	🛱 Project Progress Update	 Nominal Durations 	Me	dium Risk Confidence @	50% 🖏 Align Commit 🛛 🖽 I	Resource	Commit Date 9/5/2025 5:00:00 PM	□ E Defaults		
🕄 Run	Simulation		Reg Set Project Baselines	Goal Confidence @ 70%	Cor	nmit Confidence @ 70%	🔀 View Entire Project 🚺	Distribution-Triangle	% Confidence at Commit Date 70%	6 Contact and Help	Step #1: Select Defaults	
Chro	no™ Wizard		Validate Project	High Risk Confidence @ 3	30% 💳 Sele	ect Baseline - No baseline	s Merge Bias View	Metrics	Nominal Confidence 100%	1.7* Info		
		Chrono	Tools			o™ Gantt Chart Views	Default Settings for this Project only		× v Info	Chrono™ Settings, Ver. S1.1.048		
	Task								Qtr 4	, 2024 Qtr 1, 2025	Qtr 2, 2025 Qt	r 3, 2025
	i) Mode	✓ WBS			Duration 🖣		Summary		Login ep O		Feb Mar Apr May Jun	Jul Aug Se
1	~ ~	1	Start Milestone		0 days	10/7/24 8:00 AM				0/7		
2		2	Prototype Developme	ent	115 days	10/7/24 8:00 AM	Confidence I	Names and Levels			0%	
3		2.1	Prototype Design		45 days	10/7/24 8:00 AM				0%		
4		2.2	Buy Prototype LL (L	• •	35 days	11/18/24 8:00 AM	Enable default best case and wo	orst case settings mod	e	0%		
5		2.3	Buy Remaining Pro	11.5	30 days	12/9/24 8:00 AM	Default Best Case as a percentage of	of Nominal Duration -	Enter a	- 0%)	
6		2.4	Initial Prototype Bu	ild	20 days	1/6/25 8:00 AM	number from 0 to 100.		50		0%	
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8	→	2.6	Test & Evaluation		20 days	2/17/25 8:00 AM	a number 100 or greater.		200		0%	
9	□ →	3	Final Product Develop)	105 days	3/10/25 8:00 AM					Г	 0%
10	□ →	3.1	Final Product Desig	n	35 days	3/10/25 8:00 AM	Default Opportunity				0%	
11	□ →	3.2	Final Design Review	v	0 days	4/25/25 5:00 PM	Cause				4/25	
12	□ →	3.3	Buy LL Parts for Qu	al Units and Production	30 days	3/17/25 8:00 AM	Default Risk Cause				0%	
13	□ →	3.4	Buy Remaining Par	ts for Qual Units	30 days	4/28/25 8:00 AM	1				0%	
14	→	3.5	Initial Assembly of	POR (Plan of Record) Units	20 days	4/28/25 8:00 AM					-0%-	
15		3.6	Final Assembly of P	OR Units	15 days	6/9/25 8:00 AM	Predecessor Options				0%	
16		3.7	Conduct Qual Tests		20 days	6/30/25 8:00 AM	🗆 Enable FS+ (Can use but recom	mend inserting anothe	er task)			-0%
17		3.8	Verify Final Design	Iterations	30 days	6/23/25 8:00 AM	Enable FS- (Not recommended,	if used should not be	longer than task)			0%
18	→	4	Conduct Launch Read	iness Review	0 days	8/1/25 5:00 PM	•			#2 Salast TriCan I	M then Sauce	8/1
19	→	5	Buy Remaining Produ	ction Parts	30 days	7/28/25 8:00 AM	Enable SS- (Not good practice)		Step	#2: Select TriGen ™	", men save	0
20		6	Start Production		0 days	9/5/25 5:00 PM	Select Triangle Probability Type	Triangle	•			2
21	*	7	Commitment Mileston	ne	0 days	9/5/25 5:00 PM			Notic	a that the Distributi	on is changed to TriGen™	of 9
							Default	Triangle TriGen™	INOIIC			

Schedule Risk Analysis – Example Setting up IMS for SRA (Schedule Risk Analysis)

	hrono™	Task F	Resource Report Project View Help Gantt Ch	art Format	✓ Tell me what	t you want to do			TaskID 3 - Proto	otype Design					Ta	skID
Disp	lay Probabi	lity Chart	Regional Durations	Po i	Medium Risk Confidence	e @ 50% 🚽 Align Co	ommit	Resource								
Run	- Simulation		P Goal Confidence @ 70%	, Po ,	Commit Confidence @ 7	70% 🔀 View Ent	tire Project	Distribution-TriGen™					Ouration along with Op CID' field if a specific T		3	
	no™ Wizaro		₩ Validate Project High Risk Confidence @		elect Baseline - No basel			Metrics	Descriptions. 74	in neids dre opdon			ab neid ir d specifie i	dok io deolited.		
Chird	no wizaro	Chiono ¹			no™ Gantt Chart Views	ines Merge b	_	Chrono™ Options	Cat Pact Case I	Duration, must be	from	Nomina	il in days	Cot Worst Coo	e Duration, must be	45
	Task			cino	dante chart frems			cinono options	0.1 to 45 days		TOM	45	Defaults Enabled	days or greater		+J
	i Mod		✓ Task Name	Duration -	✓ Start	Finish	Predecessors	 Successors 	Opportunit	ty due to cause	De et d			Risk due	e to cause	
1	*	1	Start Wilestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3			→ Best 0	Case Value	Worst Case V 45	alue		
2	□ →	2	Prototype Development	115 days	10/7/24 8:00 AM	3/14/25 5:00 PM					· 4	5	45			-
•		2.1	Prototype Design	45 days	10/7/24 8:00 AM	12/6/24 5:00 PM	1	4SS+30 days,5		1		Î I			1	_
		2.2	Buy Prototype LL (Long-Lead) Parts	35 days	11/18/24 8:00 AM	1/3/25 5:00 PM	355+30 days		Exit Wizard Save Changes	Dor	ne with Durations	5	<u>Next</u>	Ne <u>x</u> t Act	tive	
	□	2.3	Buy Remaining Prototype Park	30 days	12/9/24 8:00 AM	1/17/25 5:00 PM	3	7	Save changes							
5		2.4	Initial Prototype Build	20 days	1/6/25 8:00 AM	1/31/25 5:00 PM	4	7								
'		2.5	Final Assembly of Prototypes	10 days	2/3/25 8:00 AM	2/14/25 5:00 PM	5,6	8		Column Names				Gan	ntt Chart Start Date	<u> </u>
	□ →	2.6	Test & Evaluation	20 days	2/17/25 8:00 AM	3/14/25 5:00 PM	7	10SS+15 days,12	•		•	otal Slack 0		•		•
	□ →	3	Final Product Develop	105 days	3/10/25 8:00 AM	8/1/25 5:00 PM				Indicators					Santt Chart Zoom	_
)		3.1	Final Product Design	35 days	3/10/25 8:00 AM	4/25/25 5:00 PM	8SS+15 days	11		Indicators						_
1	□ →	3.2	Final Design Review	0 days	4/25/25 3:00 PM	4/25/25 5:00 PM	10	13	0 days							
2		3.3	Buy LL Parts for Qual Units and Production	30 days	3/17/25 8:00 AM	4/25/25 5:00 PM	8	14	10 days				/			
3	-	3.4	Buy Remaining Parts for Qual Units	30 days	4/28/25 8:00 AM	0/6/25 5:00 PM	11	15	0 days							
4	□	3.5	Initial Assembly of POR (Plan of Record) Units		4/28/25 8:00 AM	5/23/25 5:00 PM	12	15	10 days			/				
5	→	3.6	Final Assembly of POR Units	15 days	6/9/25 8:00 AM	6/27/25 5:00 PM	13,14	16,17SS+10 days				/				
5		3.7	Conduct Qual Tests	20 days	6/30/25 8:00 AM	7/25/25 5:00 PM	15	19,18	0 days							
3	→	3.8	Verify Final Design Iterations	30 days	6/23/25 8:00 AM	8/1/25 5:00 PM	1555+10 days		25 days			/				
9	-→	4	Conduct Launch Readiness Review	0 days	8/1/25 5:00 PM	8/1/25 5:00 PM	16,17	20	25 days			/				
0	 	5	Buy Remaining Production Parts	30 days	7/28/25 8:00 AM 9/5/25 5:00 PM	9/5/25 5:00 PM 9/5/25 5:00 PM	16	20	0 days 0 days							
1		7	Start Production Commitment Milestone	0 days 0 days	9/5/25 5:00 PM	9/5/25 5:00 PM	19,18 20	21	0 days 0 days			/				
-	×	/	communent milestone	ouays	5/ 3/ 25 5:00 PM	5/ 5/ 23 3:00 PIVI	20		U uays			/				
										non the Ch	vrono Wi-	rard and	d enter the			
									-							
									Be	est-Case V	alue and	Worst-C	Case Value			



Overall Project SRA Set-up Example 3-Point Duration Estimates

Task		3-P	<mark>oint Durati</mark>	ons
ID	Task Name	BC	Nominal	WC
1	Start Milestone		0 days	
2	Prototype Development		115 days	
3	Prototype Design	40 days	45 days	60 days
4	Buy Prototype LL (Long-Lead) Parts	35 days	35 days	35 days
5	Buy Remaining Prototype Parts	30 days	30 days	40 days
6	Initial Prototype Build	15 days	20 days	25 days
7	Final Assembly of Prototypes	8 days	10 days	20 days
8	Test & Evaluation	15 days	20 days	40 days
9	Final Product Development		105 days	
10	Final Product Design	30 days	35 days	50 days
11	Final Design Review		0 days	
12	Buy LL Parts for Qual Units and Production	30 days	30 days	30 days
13	Buy Remaining Parts for Qual Units	30 days	30 days	40 days
14	Initial Assembly of POR (Plan of Record) Units	15 days	20 days	25 days
15	Final Assembly of POR Units	8 days	15 days	20 days
16	Conduct Qual Tests	15 days	20 days	50 days
17	Verify Final Design Iterations	20 days	30 days	40 days
18	Conduct Launch Readiness Review		0 days	
19	Buy Remaining Production Parts	30 days	30 days	40 days
20	Start Production		0 days	
21	Commitment Milestone		0 days	

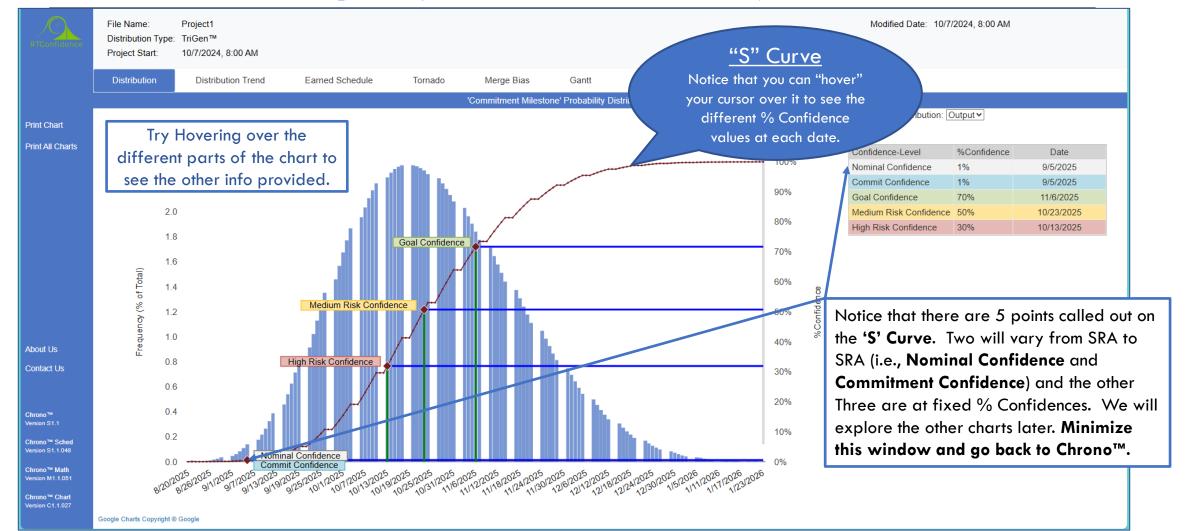
Note that after you enter the numbers you will see that whenever the **Best-Case** and/or **Worst-Case** Durations are equal to the Nominal **Duration** *Microsoft Project* inserts a "**0 days**" Duration.

Once done, select "**Exit Wizard Save Changes**" and the **Chrono Wizard** runs the Validation routine automatically. If all is well you will see a message "**Setup Wizard – Passed**" – if not, you will be assisted in making the necessary corrections.

You may have to resize your Gantt view again to see the additional columns of data shown on the next chart. If so, select "View Entire Project"

Performing SRA is Easy & Fast **RTConfidence Ready to Run the Simulation** Double-check: 1. Durations of Summary Tasks 2. Column entries for: Duration Predecessors Task Resource Report Project View Help Gantt Chart Format P Tell me what you want to do D × File Chrono™ **Best Case Duration** III P 🟴 Medium Risk Confidence @ 50% 🚽 Alian Commit Display Probability Chart Project Progress Update Nominal Durations Commit Page 9/5/2025 Worst Case Duration 🔀 View En Distribution-TriGer Run Simulation 🖧 Set Project Baselines Goal Confidence @ 70% Commit Confidence @ 70% re Project % Confidence at Co ₩ Validate Project Select Baseline - No base Merge Bias View 😽 Metric Nominal Confidence 100% 1.7 Info Gerein Chrono™ Wizard High Risk Confidence @ 30% Chron Chro ntt Chart Views hrono™ Options Chrono[™] Settings, Ver. S1.1.048 ™ Tool Projec Summary Life Best Qtr 4, 2024 Qtr 1, 2025 Qtr 2, 2025 Qtr 3, 2025 Task Total Case Case Mode 🚽 WBS 🚽 Task Nam Duration Finish Predecessors Slack Oct Feb Mar May Jul Successors Sep Nov Dec Jan Apr Jun Aug Sep × 10/7 Start Milestone 0 davs 10/7/24 8:00 AM 10/7/24 8:00 AM 3 0 days 0 days 0 davs 2 **-**Prototype Development 115 days 10/7/24 8:00 AM 3/14/25 5:00 PM 0% 2 0 days 0 days 0 days 3 2.1 Prototype Design 5 days 10/7/24 8:00 AM 12/6/24 5:00 PM 4SS+30 days.5 0 days 40 days 60 days 4 2.2 Buy Prototype LL (Long Lead) Parts 35 Jays 11/18/24 8:00 AM 1/3/25 5:00 PM 3SS+30 days 0 days 35 days 6 35 davs 5 5 2.3 30 day 12/9/24 8:00 AM 1/17/25 5:00 PM 3 Buy Remaining Prototype Parts 7 10 days 30 days 40 days 6 2.4 1/6/25 8:00 AM /31/25 5:00 PM 4 7 Initial Prototype Build 20 days 0 days 15 days 25 days 7 2X3/25 8:00 AM 2/14/25 5:00 PM 2.5 Final Assembly of Prototypes 10 days 5,6 8 0 days 8 days 20 days 2/17/25 8:00 AM 8 2.6 Test & Evaluation 20 days 3/14/25 5:00 PM 7 10SS+15 days,12 0 days 15 days 40 days 3/10/25 2:00 AM 0% 9 Final Product Develop 105 days 8/1/25 5:00 PM 0 days 0 days 0 days 3 10 🗔 3/10/25 8:00 AM 4/25/25 :00 PM 8SS+15 days 0% 3.1 Final Product Design 35 days 11 0 days 30 days 50 days 11 🗔 3.2 0 day 4/25/25 5:00 PM 4/25/25 5:00 PM 10 👗 4/25 Final Design Review 13 0 days 0 days 0 days 12 🗔 3.3 Buy LL Parts for Qual Units and Production 30 days 3/17/25 8:00 AM 4/25/25 5:00 PM 8 14 10 days 30 days 30 days 13 4/28/25 8:00 AM 5/5/25 5:00 PM 15 3.4 30 days 11 0 days 30 days Buy Remaining Parts for Qual Units 40 days 5/23/25 5:00 PM 14 4/28/25 8:00 AM 15 3.5 Initial Assembly of POR (Plan of Record) Units 20 days 12 10 days 15 days 25 days 15 3.6 6/9/25 8:00 AM 6/27/25 3:00 PM 13.14 Final Assembly of POR Units 15 days 16,17SS+10 days 0 days 8 days 20 days 16 7/25/25 5:00 PM 3.7 Conduct Qual Tests 20 days 6/30/25 8:00 AM 19.18 0 days 15 days 50 days 17 56S+10 days 8/1/25 5:00 PM 3.8 Verify Final Design Iterations 30 days 6/23/25 8:00 AM 18 25 days 20 days 40 days 18 8/1/25 5:00 PM 8/1/25 5:00 PM 4 Conduct Launch Readiness Review 0 days 20 25 days 0 days 0 days 19 5 **Buy Remaining Production Parts** 7/28/25 8:00 AM 9/5/25 5:00 PM 20 0 days 30 days 40 days 30 days 20 **9/5** - 4 9/5/25 5:00 PM 9/5/25 5:00 PM 21 6 Start Production 0 days 19,18 0 days 0 days 0 days \$ 9/5 21 \Rightarrow 7 9/5/25 5:00 PM 9/5/25 5:00 PN 20 Commitment Milestone 0 days 0 days 0 days 0 days Notice that there are RED Flags on several of the Chrono Gantt Chart Views. This means that either the Simulation should be run, due to either changes or the fact that it has never been run yet. Select **Run Simulation**. When the pop-up appears saying "Simulation Complete, Display Probability Chart?" Select "Yes"

Chrono[™] SRA Tool Results – Example Simulation Output (Cloud Processed)



SRA Info is Sent Back to Chrono[™] C RTConfidence Chrono[™] Produces Additional Gantt Chart Data

Display Probab Run Simulation			Nominal Durations			e@ 50% 🚽 Align Co % 🔀 View Enti		Commit Date 9/5/202		Defaults		
			Goal Confidence @ 1		ommit Confidence @ 1			% Confidence at Com		Contact and Help		Chrono™ Provides
Chrono [™] Wizar		For Validate Project	High Risk Confidence		elect Baseline - No base no™ Gantt Chart Views	lines Merge Bi	as View 🛛 😽 Metrics Chrono™ Options	Probable Finish 11			Mu	ultiple Gantt Chart
	Chro	no 100Is		Chro	no Gantt Chart Views		Chrono [®] Options	Rest	Summary Info Worst	Chrono™ Settings, Ver. S1.1.048	\	Views. This is the
i Task Mode	₩BS	🗸 Task Name		Duration 🚽	Start	← Finish	Predecessors Successors	Total Case ▼ Slack ▼ Duration	Case	Qtr 4, 2024 Qtr 1, 2025 p Oct Nov Dec Jan Feb		Goal" Confidence
- 🛃	1	Start Milestone		0 days	10/7/24 8:00 AM	10/7/24 8:00 AM	3	0 days 0 days	0 days	4) 10/7		Gant
	2	Prototype Development		134.98 days	10/7/24 8:00 AM	4/11/25 4:50 PM		0 days 0 days	0 days		0%	
	2.1	Prototype Design		53.18 day	s 10/7/24 8:00 AM	12/19/24 9:26 AM	1 4SS+30 days,5	0 days 40 days	60 days	0%		
	2.2	Buy Prototype LL (Long-Le	ad) Parts	35 days	11/18/24 8:00 AM	1/3/25 5:00 PM	3SS+30 days 6	1.39 days 35 days	35 days	0%		
\rightarrow	2.3	Buy Remaining Prototype	2 orts	35.25 day	s 12/19/24 9:26 AM	2/6/25 11:26 AM	3 7FS+1.9 days	0 days 30 days	40 days	- ρ%		
•	2.4	Initial Prototype Build		22.04 day	s 1/6/25 8:00 AM	2/5/25 8:19 AM	4 7FS+1.9 days	1.39 days 15 days	25 days	* 0%		
-	2.5	Final Assembly of Prototy	e	14.97 day	s 2/10/25 10:38 AM	3/3/25 10:24 AM	5FS+1.9 days,6 8	0 days 8 days	20 days		0%	
	2.6	Test & Evaluation		29.68 day	s 3/3/25 10:24 AM	4/11/25 4:50 PM	7 10SS+15 days,	L2 Odays 15 days	40 days		0%	
-	3	Final Product Develop		127.54 days	3/24/25 10:24 AM	9/17/25 3:43 PM		0 days 0 days	0 days			0%
	3.1	Final Product Design		41.19 day	s 3/24/25 10:24 AM	5/20/25 11:55 AM	8SS+15 days 11	0 days 20 days	50 days		0%	
	3.2	Final Design Review		0 days	5/20/25 11:55						a 5/	20
2 📑	3.3	Buy LL Parts for Qual Units	and Production	30 days	4/11/25 4:5	formation			^		• 09	6
3 🔤	3.4	Buy Remaining Parts for G	ual Units	35.16 day	s 5/20/25 11: Genera	I Predecessors Resou	rces Advanced Notes Custom Field	5			*	0%
4 📑	3.5	Initial Assembly of POR (P	an of Record) Units	20.3 Jays	5/23/25 4:5 Name:	Start Milestone		Duration: 0 days	Estimated		*	 0%
; 🔤	3.6	Final Assembly of POR Un	ts	14.68 day	7/10/25 11: Notes:							0%
6 📑	3.7	Conduct Qual Tests		34.76 day	s 7/31/25 8:3		8					0%
′ 🚽	3.8	Verify Final Design Iteration	ns	31.41 day	s 7/24/25 11.							
-	4	Conduct Launch Readiness R	view	0 days	9/23/25 10: https	://dashboard.rtconfid	ence.com/coeus/result?sess=175090	36706466863844				<mark>* 9/</mark>
) 📑	5	Buy Remaining Production Pa	rts	35.05 day	s 9/17/25 3:4							*
) 📑	6	Start Production		0 days	11/6/25 9:0							
I 🗧 🖈	7	Commitment Milestone		0 days	9/5/25 5:00							↓ 9/5
					<i>() (</i>) <i>(</i>) <i>() <i>() () () () () () () () <i>() () () () () () <i>() () () () <i>() () () <i>() () () <i>() () () () <i>() () () <i>() () () () <i>() () () <i>() () () <i>() () <i>() () () <i>() () () () <i>() () () <i>() () () () () () () () () () () () () () () <i>() () () <i>() () () () () () <i>() () () <i>() () () () <i>() () () () <i>() () () () () <i>() () () () () () <i>() () <i>() () () () () () <i>() <i>() () () () <i>() () () <i>() () <i>() () <i>() () <i>() <i>() () <i>() <i>() <i>() () <i>() <i>(,)) <i>(() <i>() </i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i></i>			1				
		Select "Goo	I Contiden	i ce ", the	en "View Ent	ire Project"	and you will see thi	s result – The (antt Cha	rt for the 70% Confid	ent Project Sche	edule.
		Note the "folder" sy	umbol in the	Inform	ation colum	The LIPL	for the Distribution (Jutout on the	arevious p			
									-			
		automatically put h	ere (in the "	'Notes"	section of "	Task Informa	ation" and updated	every time the	e Simulati	on is run.		

Now we will **Align Commit m**ilestone to the 70% **Start Production** milestone (**Align to end of day**) – note, we could make this Milestone any date desired, and the time on that date should be the end of the work-day – default is **5:00 PM**.

SRA Info is Sent Back to Chrono[™] Chrono[™] Produces Additional Gantt Chart Data

Disp	olay Probab	ility Chart	Reg Project Progress Update Nominal Duration	is 🗖	Medium Risk Confiden	ce @ 50% 🚽 Align (Commit 🛛 🗄	Resource	Commit Date 11/6/	25 5:00 PM		Defaults		
Run	Simulation	1	😤 Set Project Baselines 🗸 Goal Confidence	@ 70% 🏴	Commit Confidence @	1% 🔀 View E	intire Project	Distribution-TriGen™	🏴 % Confidence a	it Commit Date	1%			
Chro	ono™ Wizar	d	🔂 Validate Project 📮 High Risk Confid	lence @ 30% 📃	Select Baseline - No bas	elines Merge	Bias View	Metrics	🏴 Probable Finish	11/6/2025, 43.1	Work Days Late	1.7★ Info		
		Chrono	o™ Tools	Chr	ono™ Gantt Chart Views	-		Chrono™ Options	Proj	ect Summary Inf	D	Chrono™ Settings, Ver. S1.1.048	3	
(Task Mode	wbs .	▼ Task Name	↓ Duration ↓	Start	Finish 🗸	Predecessors	✓ Successors ✓	Total Best Case Slack - Duration	Worst Case	Qtr 4, 2024 Sep Oct N	4 Qtr 1, 2025 Nov Dec Jan Feb Mar	Qtr 2, 2025 Qtr 3, 2025 Apr May Jun Jul Aug S	Qtr 4, 2025 Sep Oct No
1	*	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	0.86 days 0 days	0 days	4 10/7			
2		2	Prototype Development	134.98 days	10/7/24 8:00 AM	4/11/25 4:50 PM			0.86 days 0 days	0 days	: 		—] 0%	
:		2.1	Prototype Design		10/7/24 8:00 AM	12/19/24 9:26 AM	1	4SS+30 days,5	0.86 days 40 days	60 days		0%		
		2.2	Buy Prototype LL (Long-Lead) Parts		11/18/24 8:00 AM	1/3/25 5:00 PM	3SS+30 days	6	2.25 days 35 days	35 days	<u> </u>	→0%		
	-	2.3	Buy Remaining Prototype Parts		12/19/24 9:26 AM	2/6/25 11:26 AM	3	7FS+1.9 days	0.86 days 30 days	40 days		* 0%		
	-	2.4	Initial Prototype Build	22.04 day	1/6/25 8:00 AM	2/5/25 8:19 AM	4	7FS+1.9 days	2.25 days 15 days	25 days		* 0%		
	-	2.5	Final Assembly of Prototypes	14.97 day	2/10/25 10:38 AM	3/3/25 10:24 AM	5FS+1.9 days	,6 8	0.86 days 8 days	20 days		* 0%		
	□	2.6	Test & Evaluation	29.68 day	3/3/25 10:24 AM	4/11/25 4:50 PM	7	10SS+15 days,12	0.86 days 15 days	40 days			0%	
		3	Final Product Develop	127.54 days	3/24/25 10:24 AM	9/17/25 3:43 PM			0.86 days 0 days	0 days			r	0%
)	□ →	3.1	Final Product Design	41.19 day	3/24/25 10:24 AM	5/20/25 11:55 AM	8SS+15 days	11	0.86 days 30 days	50 days		L,	0%	
	□ →	3.2	Final Design Review	0 days	5/20/25 11:55 AM	5/20/25 11:55 AM	10	13	0.86 days 0 days	0 days			a 5/20	
2	□ →	3.3	Buy LL Parts for Qual Units and Production	30 days	4/11/25 4:50 PM	5/23/25 4:50 PM	8	14	12.23 days 30 days	30 days			0%	
3	- →	3.4	Buy Remaining Parts for Qual Units	35.16 day	5/20/25 11:55 AM	7/8/25 2:12 PM	11	15FS+1.75 days	0.86 days 30 days	40 days			• 0%	
1	-	3.5	Initial Assembly of POR (Plan of Record) U	nits 20.3 days	5/23/25 4:50 PM	6/23/25 10:14 AM	12	15FS+1.75 days	12.23 days 15 days	25 days			-0%	
5	-	3.6	Final Assembly of POR Units	14.68 day	3 7/10/25 11:12 AM	7/31/25 8:38 AM	13FS+1.75 do	ıy: 16,17SS+10 days	0.86 days 8 days	20 days			0%	
5	□ →	3.7	Conduct Qual Tests	34.76 day	3 7/31/25 8:38 AM	9/17/25 3:43 PM	15	19,18FS+3.45 day	0.86 days 15 days	50 days			*	0%
7	\square	3.8	Verify Final Design Iterations	31.41 day	3 7/24/25 11:12 AM	9/5/25 3:29 PM	15SS+10 day	s 18FS+3.45 days	40.49 days 20 days	40 days			└ → ─── - {	1%
3	$ \rightarrow $	4	Conduct Launch Readiness Review	0 days	9/23/25 10:19 AM	9/23/25 10:19 AM	16FS+3.45 do	y 20FS+0.25 days	32.46 days 0 days	0 days				9/23
	→	5	Buy Remaining Production Parts	35.05 day	s 9/17/25 3:43 PM	11/5/25 4:07 PM	16	20FS+0.25 days	0.86 days 30 days	40 days				
0	→	6	Start Production	0 days	11/6/25 9:07 AM	11/6/25 9:07 AM	19FS+0.25 do	ıy 21	0.86 days 0 days	0 days				
1	*	7	Commitment Milestone	0 days	11/6/25 5:00 PM	11/6/25 5:00 PM	20		0 days 0 days	0 days				•
_	-													
		Notic	ce that after Aligning the Com	mitment I	Nilestone to	the "Goal C	onfidence	" Start Prod	uction milest	one the l	Red F			
			s re-appear – for you have ch											

A re-run of the **Simulation** provides the same distribution, but the Commit Milestone is repositioned as shown on the next chart.

SRA is Easy and Fast with Chrono[™] / RTConfidence Simulation Output – "Distribution" Chart





SRA Info is Sent Back to Chrono[™] The Post-Simulation Nominal Gantt Chart

D:		L . L 104	y Chart	Project Progress Update V Nominal Durations		Medium Risk Confidence		с	□	Commit Data 11/6/	25 5-00 DM		Din Defeute		Dial	le ≡≡ *Summary	Eo⊂*Secure		
	1		-						Resource	Commit Date 11/6/			Defaults			-	-	1	
	Simula			P Set Project Baselines Toal Confidence @ 70		Commit Confidence @		, , ,	Distribution-TriGen	[™] % Confidence at Co	ommit Date 7				ive Code		Pdf [;] *Tasks		
Chro	ono™ W	/izard		😸 Validate Project Hitch Risk Confidence		Select Baseline - No bas	,	Bias View	Ketrics	Nominal Confidence			1.8 Info		ew Code	[[i] *Display Fs			
			Chrono	™ Tools	Chr	rono™ Gantt Chart Views			Chrono™ Options	Project Sumr	m iry Info	Chr	ono™ Settings, Ver. S1.1.			gement - Warning D	-		
0	D Tas Mo	sk ode 🔻	WBS 🗸	Task Name	Duration	🖌 Start 🐂	- Finish	Predecessors	- Successors - Tot	al Slack 👻 % Complet	Best C Uurati		Worst Case Duration - O		Half 1, 2025 J F	MAM	Half 2, 2025	S O	N
	*		1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	44 days	0%	0 days	0 days 🙀 1)/7					
			2	Prototype Development	115 days	10/7/24 8:00 AM	3/14/25 5:00 PM			44 days	0%	0 days	0 days			0%			
			2.1	Prototype Design	45 days	10/7/24 8:00 AM	12/6/24 5:00 PM	1	4SS+30 days,5	44 days	0%	40 days	60 days	0%					
			2.2	Buy Prototype LL (Long-Lead) Parts	35 days	11/18/24 8:00 AM	1/3/25 5:00 PM	3SS+30 days	6	44 days	0%	0 days	0 days		0%				
	□		2.3	Buy Remaining Prototype Parts	30 days	12/9/24 8:00 AM	1/17/25 5:00 PM	3	7	54 days	0%	0 days	40 days	*	0%				
	□		2.4	Initial Prototype Build	20 days	1/6/25 8:00 AM	1/31/25 5:00 PM	4	7	44 days	0%	15 days	25 days		0%				
	□ →		2.5	Final Assembly of Prototypes	10 days	2/3/25 8:00 AM	2/14/25 5:00 PM	5,6	8	44 days	0%	8 days	20 days		~ 0 %	6			
3	>		2.6	Test & Evaluation	20 days	2/17/25 8:00 AM	3/14/25 5:00 PM	7	10SS+15 days,1	44 days	0%	15 days	40 days		- <u>-</u>	- 0%			
			3	Final Product Development	105 days	3/10/25 8:00 AM	8/1/25 5:00 PM			44 days	0%	0 days	0 days			r	0%		
			3.1	Final Product Design	35 days	3/10/25 8:00 AM	4/25/25 5:00 PM	8SS+15 days	11	44 days	0%	30 days	50 days			0%			
1			3.2	Final Design Review	0 days	4/25/25 5:00 PM	4/25/25 5:00 PM		13	44 days	0%	0 days	0 days			a 4/25			
!			3.3	Buy LL Parts for Qual Units and Production	30 days	3/17/25 8:00 AM	4/25/25 5:00 PM	8	14	54 days	0%	0 days				0%			
			3.4	Buy Remaining Parts for Qual Units	30 days	4/28/25 8:00 AM	6/6/25 5:00 PM	11	15	44 days	0%	0 days	40 days				0%		
1			3.5			4/28/25 8:00 AM	5/23/25 5:00 PM		15	54 days	0%	15 days	25 days			-09			
5			3.6	Final Assembly of POR Units	15 days	6/9/25 8:00 AM	6/27/25 5:00 PM	13,14	16,17SS+10 day	44 days	0%	8 days	20 days			ľ	0%		
;	→		3.7	Conduct Qual Tests	20 days	6/30/25 8:00 AM			18,19	44 days	0%	15 days	50 days				0%		
7	→		3.8	Verify Final Design Iterations	30 days	6/23/25 8:00 AM	8/1/25 5:00 PM	15SS+10 days		69 days	0%	20 days					0%		
9			4	Conduct Launch Readiness Review	0 days	8/1/25 5:00 PM	8/1/25 5:00 PM	16,17	20	69 days	0%	0 days					8/1		
_	->		5	Buy Remaining Production Parts	30 days	1/28/25 8:00 AM	9/5/25 5:00 PM	16	20	44 days	0%	0 days						0%	
0			6	Start Production	0 days	9/5/25 5:00 PM	9/5/25 5:00 PM	18,19	21	44 days	0%	0 days						9/5	ļ
1	2		7	Commitment Milestone	0 days	11/5/25 5:00 PM	11/6/25 5:00 PM	20		0 days	0%	0 days	0 days				T		🍖 11



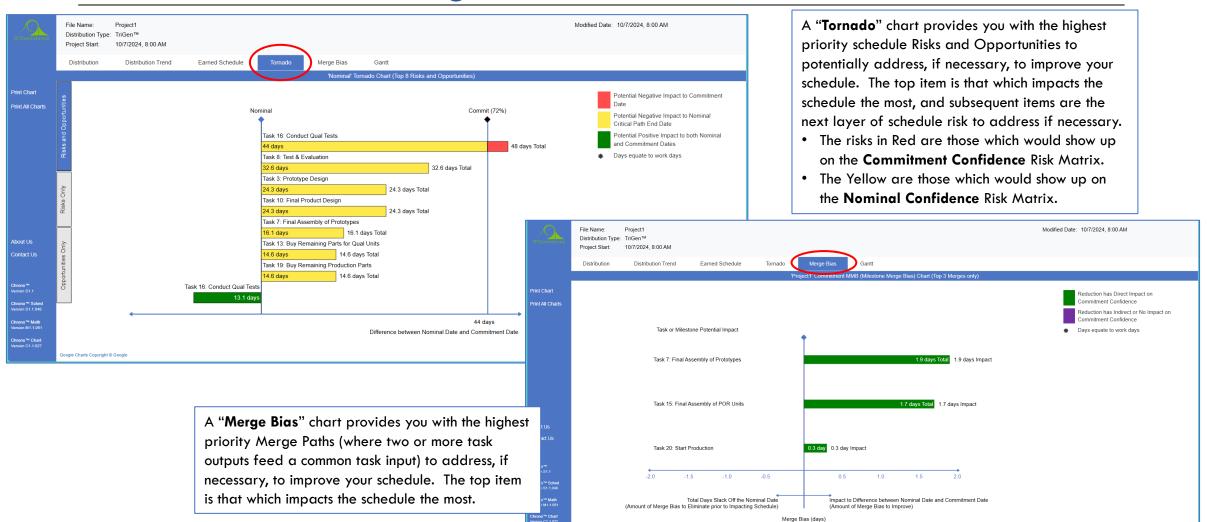
SRA Helps Establish Commitments **Post-Simulation Commit Confidence Gantt Chart**

	anono	-	Resource Report Project	view neip Ganu	chart i orifidi	> reinnew	hat you want to do											D
Disp	lay Prob	ability Cha	rt 🛱 Project Progress Update	Nominal Durations	M	edium Risk Confidence	e @ 50% 🚽 Align (Commit 🛛	Resource	Commit Da	te 11/6/25 5:00 PM			Defaults	📑 *Chrono Disab	le ≡≡ *Summary	Eŏ *Secu	re
Run	Simulati	on	🖉 Set Project Baselines 🗸	🖌 Goal Confidence @ 7	0% C	ommit Confidence @ 7	2% 🔀 View E	ntire Project	Distribution-TriG	en™ % Confiden	ice at Commit Date	≥ 7 <mark>2</mark> %	3?	Contact and Help	🚼 *Save Code	📶 *Display Ss P	df [👔 *Tasks	;
Chro	no™ Wiz	ard	Eio Validate Project	High Risk Confidence	@ 30% 🗮 Se	lect Baseline - No base	lines Merge	Bias View E	∑ Metrics	Probable Fi	nish 11/6/2025, -0.9	9 Work Days On ti	ime 1.7*	Info	👿 *View Code	ित *Display Fs P	df	
		Chr	ono™ Tools		Chroi	no™ Gantt Chart Views	_		Chrono [™] Option	s	Project Summary	y Info	Chrono	™ Settings, Ver. S1.1.046D	*Code Mana	agement - Warning De	bug Mode	
-	Task					-					Best	Case Wor	rst Case		1, 2025	Half 2, 2025		
	Mod	e 👻 WBS	👻 Task Name	· · · · · · · · · · · · · · · · · · ·	Duration 👻			Predecessors 👻		Total Slack 👻 % C			ation 🔻		F M A N	I J J A	S O	N
		1	Start Milestone		0 days		10/7/24 8:00 AM		3	0.86 days	0%	0 days	/ -	• 10/7	0%			
3		2 2.1	Prototype Development			10/7/24 8:00 AM	4/11/25 4:50 PM 12/19/24 9:26 AM		4SS+30 davs.5	0.86 days	0%	0 days	0 days	0%	0%			
4	 	2.1	Prototype Design Buy Prototype LL (Long-Le		35 days	10/7/24 8:00 AM 11/18/24 8:00 AM			455+30 days,5	0.86 days 2.25 days	0%	40 days 0 days	60 days 0 days	0%				
5	-→ □	2.2	Buy Remaining Prototype			12/19/24 9:26 AM			7FS+1.9 days	0.86 days	0%	0 days	40 days					
6	→ ⊑	2.3	Initial Prototype Build				2/5/25 8:19 AM		7FS+1.9 days	2.25 days	0%	15 days	25 days	+	- 0%			
7	-	2.5	Final Assembly of Prototy			2/10/25 10:38 AM			,	0.86 days	0%	8 days	20 days		0%			
8		2.6	Test & Evaluation	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		3/3/25 10:24 AM			10SS+15 days,1	0.86 days	0%	15 days	40 days		0%			
9		3	Final Product Development			3/24/25 10:24 AM				0.86 days	0%	0 days	0 days				0%	
0		3.1	Final Product Design		41.19 days	3/24/25 10:24 AM	5/20/25 11:55 AM	8SS+15 days	11	0.86 days	0%	30 days	50 days	N		0%		
1		3.2	Final Design Review		0 days	5/20/25 11:55 AM	5/20/25 11:55 AM	10	13	0.86 days	0%	0 days	0 days			5/20		
2		3.3	Buy LL Parts for Qual Unit	and Production	30 days	4/11/25 4:50 PM	5/23/25 4:50 PM	8	14	12.23 days	0%	0 days	0 days		+	0%		
3		3.4	Buy Remaining Parts for ()ual Units	35.16 days	5/20/25 11:55 AM	7/8/25 2:12 PM	11	15FS+1.75 days	0.86 days	0%	0 days	40 days			0%		
4	□	3.5	Initial Assembly of POR (Plan of Record) Units	20.3 days	5/23/25 4:50 PM	6/23/25 10:14 AM	12	15FS+1.75 days	12.23 days	0%	15 days	25 days			 - 0 %		
5	-	3.6	Final Assembly of POR U	its	14.68 days	7/10/25 11:12 AM	7/31/25 8:38 AM	13FS+1.75 days	, 16,17 SS+10 day	0.86 days	0%	8 days	20 days			~~~ 0%		
6	□ →	3.7	Conduct Qual Tests		34.76 days	7/31/25 8:38 AM	9/17/25 3:43 PM	15	18FS+3.45 days	0.86 days	0%	15 days	50 days				0%	
7	□	3.8	Verify Final Design Iterat	ions	31.41 days	7/24/25 11:12 AM	9/5/25 3:29 PM	15SS+10 days	18FS+3.45 days	40.49 days	0%	20 days	40 days			└ ▶	-0%	
8		4	Conduct Launch Readiness		0 days	9/23/25 10:19 AM			, 20FS+0.25 days	32.46 days	0%	0 days	0 days				9/23	
9		5	Buy Remaining Production				11/5/25 4:07 PM		20FS+0.25 days	0.86 days	0%	0 days	40 days					0%
0	□ →	6	Start Production		0 days		11/6/25 9:07 AM		, 21	0.86 days	0%	0 days	0 days		\mathbf{N}		1	11,
1 4	5	7	Commitment Milestone		0 days	11/6/25 5:00 PM	11/6/25 5:00 PM	20		0 days	0%	0 days	0 days				4	11

When you click on the Goal Confidence Gantt (or the **Commit Confidence** Gantt) you will see this result, and Chrono[™] tells you what the % Confidence is (**72% here**) of meeting the commitment completion date.

Chrono[™] SRA Outputs **"Tornado" & "Merge Bias" Charts**





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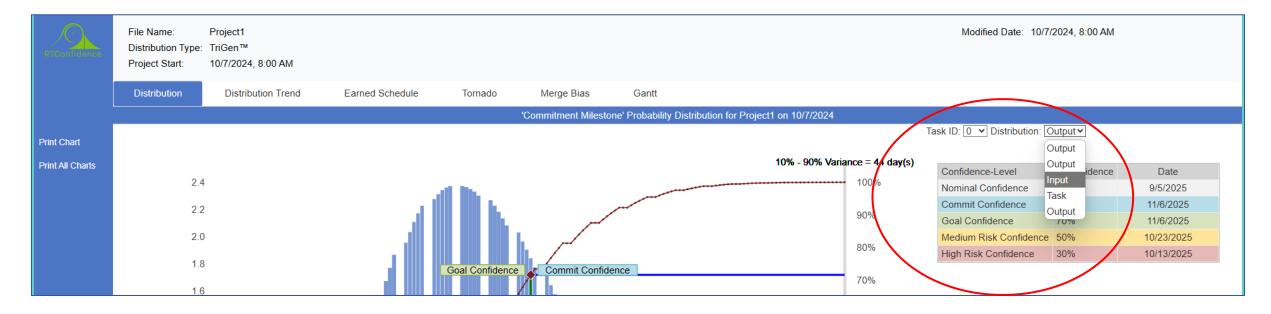
Chrono[™] SRA Outputs Gantt Charts – Nominal (Target) & Commitment

RTCordidence	File Name Distribution Project Sta	n Type: TriG		I												Modified Da	te: 10/7/2024, 8:00 AM	N										_	
Print Chart Print All Charls	Distribution		10/07/2024 (000) 10/07 10/07/2024 (000) 12/0 10/07/2024 (000) 12/0 11/18/2024 (000) 01/0 11/18/2024 (000) 01/0 11/18/2024 (000) 01/0 11/18/2024 (000) 01/0 0/04/2025 (000) 01/0 0/04/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) 01/0 0/14/2025 (000) </th <th>nd % ind Date % % % % % % % % % % % % % % % % % % %</th> <th>Earner Scher comp. 10 1 2 3 4 5 6 7 8 7 8 9 10 11 12 13 14 15 15 15 15 15 15 15 15 15 15</th> <th>2000 Der 115 43 55 53 53 10 10 10 10 10 10 10 10 10 10</th> <th>Best Nomi 115 111 40 45 305 50 15 20 15 20 30 55 30 50 30 50 30 50 30 20 30 50 30</th> <th>inal Worst</th> <th>t Preds t 1 255-30 days 3 4 556-30 days 3 4 5 5 7 7 8 8 5 10 10 10 10 10 10 10 10 10 10 10 10 11 11</th> <th>Secc. Tetal 3 4 3 4 55-30 arcs, 5 6 6 4 7 5 7 4 55:10 arc. 4 13 4 14 5 15 5 15 4 18 4 19 4 13 4 14 5 15 4 18 4 19 4 10 4 11 4 12 4 13 4 14 9 15 16 18 6</th> <th>Gantt H da Took Sch Rand Rand</th> <th></th> <th>a Jan Pob</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>the l the c rela base</th> <th>eft) p critical tive to ed on</th> <th>rovide schec</th> <th>s you lule d eam's ngle-F</th> <th>"Targ</th> <th>1 </th> <th></th> <th></th> <th></th> <th></th> <th></th>	nd % ind Date % % % % % % % % % % % % % % % % % % %	Earner Scher comp. 10 1 2 3 4 5 6 7 8 7 8 9 10 11 12 13 14 15 15 15 15 15 15 15 15 15 15	2000 Der 115 43 55 53 53 10 10 10 10 10 10 10 10 10 10	Best Nomi 115 111 40 45 305 50 15 20 15 20 30 55 30 50 30 50 30 50 30 20 30 50 30	inal Worst	t Preds t 1 255-30 days 3 4 556-30 days 3 4 5 5 7 7 8 8 5 10 10 10 10 10 10 10 10 10 10 10 10 11 11	Secc. Tetal 3 4 3 4 55-30 arcs, 5 6 6 4 7 5 7 4 55:10 arc. 4 13 4 14 5 15 5 15 4 18 4 19 4 13 4 14 5 15 4 18 4 19 4 10 4 11 4 12 4 13 4 14 9 15 16 18 6	Gantt H da Took Sch Rand Rand		a Jan Pob						the l the c rela base	eft) p critical tive to ed on	rovide schec	s you lule d eam's ngle-F	"Targ	1					
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Schedule Development Process Final Chrono[™] Note



- The Distribution Chart Shows only the Result for the Last IMS Milestone
- Other Task Milestones can be Viewed via the Drop-down Menu Selections:
 - Task ID: #
 - Distribution: Output, Input or Task (Input + Task = Output)
 - Try this for Task #7
 - Select Task #0 Distribution "Output" to get back to the Completion Milestone Chart





ES (Earned Schedule) Training Example of Performing ES

CHRONO[™] TRAINING REFERENCE GUIDE



Baselines and Schedule Updates **Establishing Project Baselines**

If you haven't already done so - SAVE then SAVE_AS New File Name

Displi	ay Probab	ility Chart	$\rho^{\mathbf{q}}_{\boldsymbol{\varTheta}}$ Project Progress Update \checkmark Nominal Duration	s I	Medium Risk Confidence	@ 50% 引 Align Cor	nmit 🔠	Resource	Commit Date 11/6/25 5:	:00 PM	며 Defaults
Run S	imulation		🖉 Set Project Baselines 💊 Goal Confidence @	70%	Commit Confidence @ 72	% 🔀 View Entir	e Project	Distribution-TriGen™	% Confidence at Comm	nit Date 72%	
Chron	o™ Wizar	ł	😸 Validate Project 💦 High Risk Confider	ice @ 30% 📃 9	Select Baseline - No baseli	nes Merge Bia	s View 🛛 🗟	Metrics	Nominal Confidence 19	%	1.7⊭ 1.8≁ Info
		Chrono	Tools	Chro	ono™ Gantt Chart Views	-		Chrono™ Options	Project Summary	Info	Chrono™ Settings, Ver. S1.1.048
0	Task								Total Best Case	Worst Case	Qtr 4, 2024 Qtr 1, 2025 Qtr 2, 2025 Qtr 3, 2025 Qtr 4, 20
U	Mode	▼ WBS ▼	Task Name				Predecessors	✓ Successors ✓	Slack - Duration	 Duration 	Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct
	*	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	44 days 0 days	0 days	• 10/7
	→	2	Prototype Development	115 days	10/7/24 8:00 AM	3/14/25 5:00 PM			44 days 0 days	0 days	0%
	→	2.1	Prototype Design	45 days	10/7/24 8:00 AM	12/6/24 5:00 PM	1	4SS+30 days,5	44 days 40 days	60 days	0%
		2.2	Buy Prototype LL (Long-Lead) Parts	35 days	11/18/24 8:00 AM	1/3/25 5:00 PM	3SS+30 day	rs 6	44 days 35 days	35 days	0%
	→	2.3	Buy Remaining Prototype Parts	30 days	12/9/24 8:00 AM	1/17/25 5:00 PM	3	7	54 days 30 days	40 days	-0%
	→	2.4	Initial Prototype Build	20 days	1/6/25 8:00 AM	1/31/25 5:00 PM	4	7	44 days 15 days	25 days	0%
		2.5	Final Assembly of Prototypes	10 days	2/3/25 8:00 AM	2/14/25 5:00 PM	5,6	8	44 days 8 days	20 days	0%
		2.6	Test & Evaluation	20 days	2/17/25 8:00 AM	3/14/25 5:00 PM	7	10SS+15 days,12	44 days 15 days	40 days	0%
	□ →	3	Final Product Develop	105 days	3/10/25 8:00 AM	8/1/25 5:00 PM			44 days 0 days	0 days	I 0%
0		3.1	Final Product Design	35 days	3/10/25 8:00 AM	4/25/25 5:00 PM	8SS+15 day	rs 11	44 days 30 days	50 days	0%
1		3.2	Final Design Review	0 days	4/25/25 5:00 PM	4/25/25 5:00 PM	10	13	44 days 0 days	0 days	√ 4/25
2	→	3.3	Buy LL Parts for Qual Units and Production	30 days	3/17/25 8:00 AM	4/25/ Chrono [™] Wa	rning		imes ys	30 days	0%
3		3.4	Buy Remaining Parts for Qual Units	30 days	1/28/25 8:00 AM	6/6/2			ys	40 days	0%
4	-	3.5	Initial Assembly of POR (Plan of Record) Ur	its 20 days	4/28/25 8:00 AM	5/23/	anging Bacelines T	Typically Requires Sponsor	Approval Do	25 days	
5	-	3.6	Final Assembly of POR Units	15 days	6/9/25 8:00 AM		want to proceed		s s	20 days	0%
5		3.7	Conduct Qual Tests	20 days	6/30/25 8:00 AM	7/25/			γs	50 days	0%
7	-	3.8	Verify Final Design Iterations	30 days	6/23/25 8:00 AM	8/1/2		V	ys	40 days	·→→→→ 0%
3		4	Conduct Launch Readiness Review	0 days	8/1/25 5:00 PM	8/1/2		Yes 🔫	Nos	0 days	8/1
9		5	Buy Remaining Production Parts	30 days	7/28/25 8:00 AM	9/5/25 5:00 PM	16	20	44 days 20 days	40 days	0%
0		6	Start Production	0 days	9/5/25 5:00 PM	9/5/25 5:00 PM	19,18	21	44 days 0 days	0 days	↓
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step	o #1.	SAVE	the File, and then SAVE AS a	nother		Step 7	¥2. In the	<u>e New File</u> , Se	elect	Sten	b #3. Select " Yes " when this Pop-up appears.
-			ways a safe thing to do. Ther								
						Set P	гојест ва	iselines " in th	le	Chro	ono will automatically save a back-up of this
he	Simu	lation	again and verify the same r	osults		Chuon	o Tools S	C+!		C -1	as " <file name="">_000"</file>

Establishing Baselines Confidence The Baseline Goal Gantt (i.e., Commit Schedule)

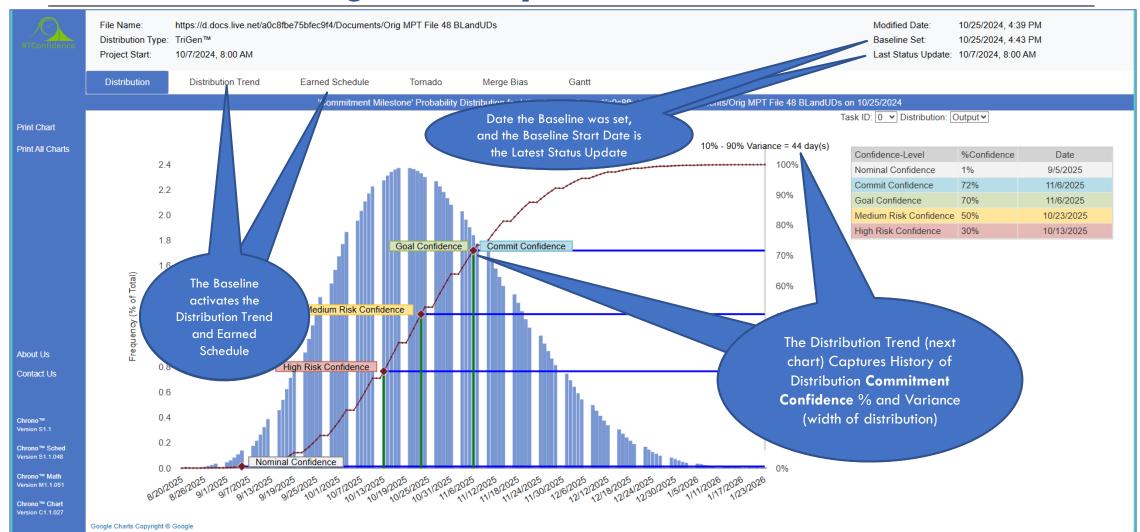
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1				0,0 00	mmit Confidence @ 72	% 🔀 View Entir	re Project	Distribution-TriGen™	% Confiden	nce at Comm	nit Date 72%	
1		Chrono™	😽 Validate Project High Risk Confidence	@ 30% 🗮 Sel	ect Baseline - @Goal	Merge Bia	s View	Metrics	Probable Fi	nish 11/6/20	25, -0.9 Work D	Days On time
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1									Total	Best Case	Worst	Qtr 4, 2024 Qtr 1, 2025 Qtr 2, 2025 Qtr 3, 2025 Qtr 4, 202
1 📒 🖈		WBS 👻	Task Name 👻	Duration 👻	Start 👻	Finish 🚽	Predecessors			Duration ,	Case Duration	Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct
2 🗖		1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	0.86 days	0 days	0 days	• 10/7
		2	Prototype Development	134.98 days	10/7/24 8:00 AM	4/11/25 4:50 PM			0.86 days	0 days	0 days	0%
3 🗖		2.1	Prototype Design	53.18 days	10/7/24 8:00 AM	12/19/24 9:26 AM	1	4SS+30 days,5	0.86 days	40 days	60 days	0%
4 📑		2.2	Buy Prototype LL (Long-Lead) Parts	35 days	11/18/24 8:00 AM	1/3/25 5:00 PM	355+30 days	6	2.25 days	35 days	35 days	0%
		2.3	Buy Remaining Prototype Parts	35.25 days	12/19/24 9:26 AM	2/6/25 11:26 AM	3	7FS+1.9 days	0.86 days	30 days	40 days	0%
		2.4	Initial Prototype Build	22.04 days	1/6/25 8:00 AM	2/5/25 8:19 AM	4	7FS+1.9 days	2.25 days	15 days	25 days	0%
		2.5	Final Assembly of Prototypes	14.97 days	2/10/25 10:38 AM	3/3/25 10:24 AM	5FS+1.9 days	s,6 8	0.86 days	8 days	20 days	0%
		2.6	Test & Evaluation	29.68 days	3/3/25 10:24 AM	4/11/25 4:50 PM	7	10SS+15 days,12	0.86 days	15 days	40 days	0%
) 🗖		3	Final Product Develop	127.54 days	3/24/25 10:24 AM	9/17/25 3:43 PM			0.86 days	0 days	0 days	0%
0 🗖		3.1	Final Product Design	41.19 days	3/24/25 10:24 AM	5/20/25 11:55 AM	8SS+15 days	11	0.86 days	30 days	50 days	0%
1 🗳		3.2	Final Design Review	0 days	5/20/25 11:55 AM	5/20/25 11:55 AM	10	13	0.86 days	0 days	0 days	\$ 5/20
2 🔄		3.3	Buy LL Parts for Qual Units and Production	30 days	4/11/25 4:50 PM	5/23/25 4:50 PM	8	14	12.23 days	30 days	30 days	0%
3 🗖		3.4	Buy Remaining Parts for Qual Units	35.16 days	5/20/25 11:55 AM	7/8/25 2:12 PM	11	15FS+1.75 days	0.86 days	30 days	40 days	0%
4 🔄		3.5	Initial Assembly of POR (Plan of Record) Units	20.3 days	5/23/25 4:50 PM	6/23/25 10:14 AM	12	15FS+1.75 days	12.23 days	15 days	25 days	 -0%
5 🚽		3.6	Final Assembly of POR Units	14.68 days	7/10/25 11:12 AM	7/31/25 8:38 AM	13FS+1.75 d	ay: 16,17SS+10 days	0.86 days	8 days	20 days	0%
6 🗖		3.7	Conduct Qual Tests	34.76 days	7/31/25 8:38 AM	9/17/25 3:43 PM	15	19,18FS+3.45 day	0.86 days	15 days	50 days	0%
7 🖪		3.8	Verify Final Design Iterations		7/24/25 11:12 AM	9/5/25 3:29 PM	15SS+10 day	ys 18FS+3.45 days	40.49 days	20 days	40 days	-0%
в 📑		4	Conduct Launch Readiness Review	0 days	9/23/25 10:19 AM	9/23/25 10:19 AM	16FS+3.45 d	ay: 20FS+0.25 days	32.46 days	0 days	0 days	9/23
9 📑		5	Buy Remaining Production Parts	35.05 days	9/17/25 3:43 PM	11/5/25 4:07 PM	16	20FS+0.25 days	0.86 days	30 days	40 days	
0 🗳		5	Start Production		11/6/25 9:07 AM	11/6/25 9:07 AM	19FS+0.25 d	ay 21	0.86 days	0 days	0 days	
1 🗧 🖈		7	Commitment Milestone	0 days	11/6/25 5:00 PM	11/6/25 5:00 PM	20		0 days	0 days	0 days	Consider the Black Baseline
												bars as Snap-shots that do
												not change, even after

Establishing Baselines Confidence The Baseline Nominal Gantt (i.e., <u>Target</u> Schedule)

Dis	play Probab	ility Chart	Reg Project Progress Update 🗸 Nominal Durations		Medium Risk Confidence @	50% 墫 Align Com	nmit	Resource	Commit	Date 11/6/2	025 5:00:00 PM	□= Defaults	
Ru	n Simulation	1	Reg Set Project Baselines Goal Confidence @ 7	0%	Commit Confidence @ 72%	5 🔀 View Entire	e Project	Distribution-TriGen™	% Confic	ence at Cor	mmit Date 72%		
Ch	rono™ Wizar	d	😸 Validate Project High Risk Confidence	@ 30% 🔳	Select Baseline - @Nominal	Merge Bias	View	🗟 Metrics	Nominal	Confidence	1%	1.7 ↓ 1.8↑ Info	
		Chrono	[™] Tools	Chr	ono™ Gantt Chart Views			Chrono™ Options	Project Summ	ary Info - La	st Update 10/7/2	2024 Chrono™ Settings, Ver. S1.1.048	Select the "Nominal
	Task								Total	Best Case	Worst Case	Qtr 4, 2024 Qtr 1, 2025 Qtr 2, 2025	Durations" Gantt to vie
	(i) Mode	wbs -	🖌 Task Name 👻	Duration	✓ Start ✓	Finish 👻	Predecesso	ors 👻 Successors 👻	Slack 🚽	Duration	Duration	Sep Oct Nov Dec Jan Feb Mar Apr May	this Critical Path
1	< ≯	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	44 days	0 days	0 days	4 10/7	
2	\rightarrow	2	Prototype Development	115 days		3/14/25 5:00 PM			44 days		0 days	0%	schedule which is
3	\rightarrow	2.1	Prototype Design	45 days	10/7/24 8:00 AM	12/6/24 5:00 PM	1	4SS+30 days,5	44 days	40 days	60 days	0%	considered a good
4	\rightarrow	2.2	Buy Prototype LL (Long-Lead) Parts	35 days	11/18/24 8:00 AM		355+30 0	days 6	44 days	35 days	35 days	0%	· ·
5	→	2.3	Buy Remaining Prototype Parts	30 days	12/9/24 8:00 AM	1/17/25 5:00 PM	3	7	54 days		40 days		"Target" for the Team
6	→	2.4	Initial Prototype Build	20 days		1/31/25 5:00 PM	4	7	44 days		25 days	0%	Work toward Achieving
7	- →	2.5	Final Assembly of Prototypes	10 days			5,6	8	44 days		20 days	0%	
8	- →	2.6	Test & Evaluation	20 days		-, - ,	7	10SS+15 days,12			40 days	0%	
9	→	3	Final Product Develop	105 days		8/1/25 5:00 PM			44 days		0 days		
10	→	3.1	Final Product Design	35 days			8SS+15 d	'	44 days		50 days	0%	
11	→	3.2	Final Design Review	0 days		4/25/25 5:00 PM	10	13	44 days		0 days	4/25	
12		3.3	Buy LL Parts for Qual Units and Production	30 days		4/25/25 5:00 PM	8	14	54 days		30 days	8%	
13	→	3.4	Buy Remaining Parts for Qual Units	30 days		6/6/25 5:00 PM	11	15	44 days		40 days		0%
14	→	3.5	Initial Assembly of POR (Plan of Record) Units			5/23/25 5:00 PM	12	15	54 days		25 days		1%
15	→	3.6	Final Assembly of POR Units	15 days			13,14	16,17SS+10 days			20 days		0%
16 17	→	3.7	Conduct Qual Tests	20 days		7/25/25 5:00 PM	15	19,18	44 days		50 days		0%
17 18		3.8	Verify Final Design Iterations	30 days		8/1/25 5:00 PM) days 18	69 days		40 days		0%
18 19		4	Conduct Launch Readiness Review	0 days		8/1/25 5:00 PM	16,17	20	69 days		0 days		 / - 0%
20		5	Buy Remaining Production Parts	30 days		9/5/25 5:00 PM	16	20	44 days		40 days		9/5
20	□ →	6 7	Start Production	0 days			19,18	21	44 days		0 days	Baselines are auto-	• ¥/5 • 11/6
21		/	Commitment Milestone	0 days	11/6/25 5:00 PM	11/6/25 5:00 PM	20		0 days	u days	0 days		
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			1									of the file is put into	

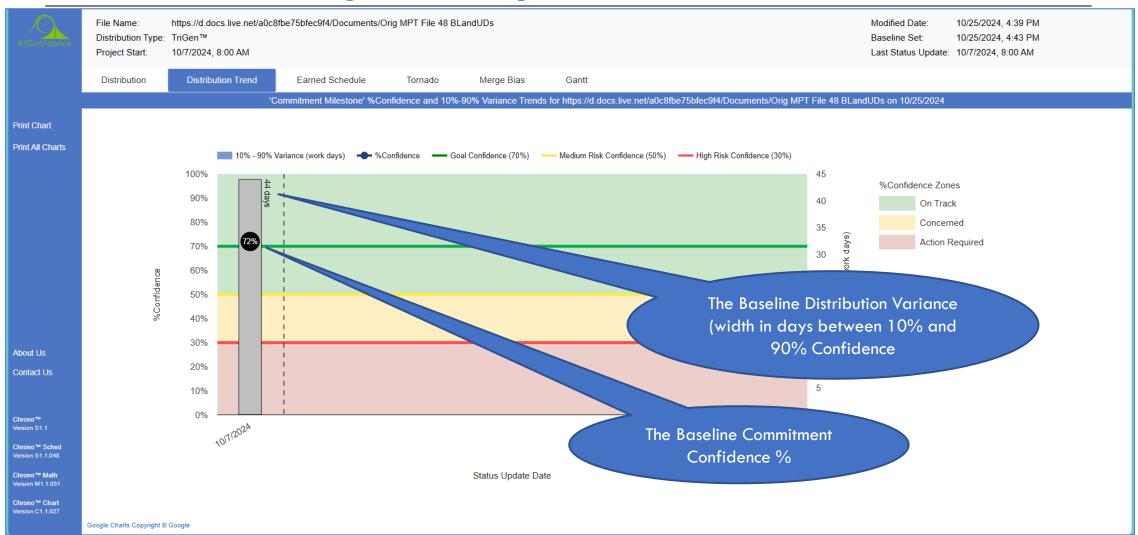
SRA Simulation Output Display Result of Setting the Project Baseline





SRA Simulation Output Display Result of Setting the Project Baseline

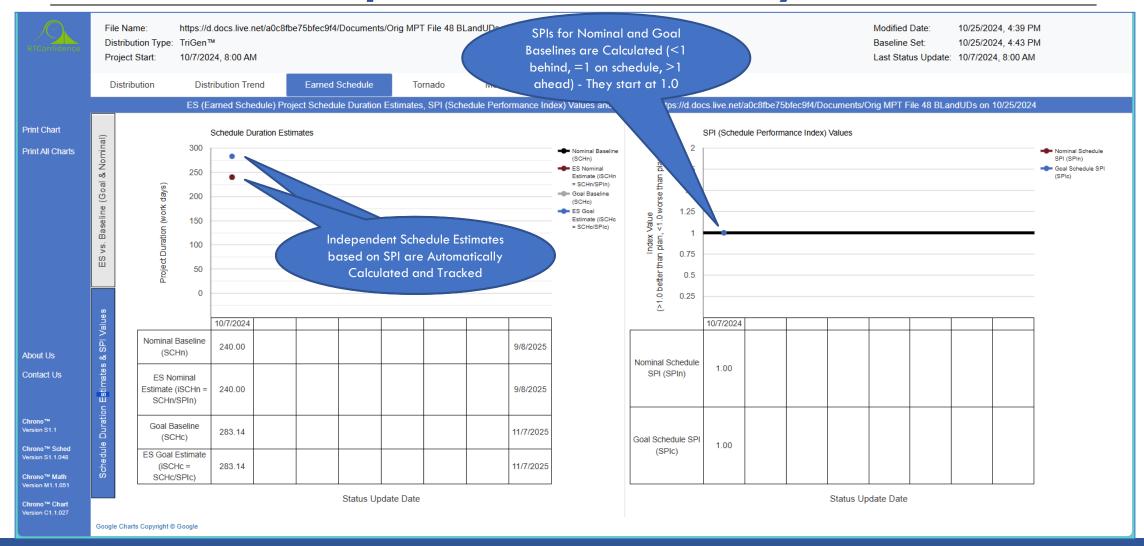




SRA Simulation Output Display Confidence **ES Metrics Set Up – will Automatically Calculate**



SRA Simulation Output Display Confidence ES Metrics Set Up – will Automatically Calculate



Project Progress Update #1 Scenario Explanation (reiterated on next charts)

- 1. Project was Baselined to Start on October 14, 2024 (a Monday)
- 2. The Project Started as Planned
- 3. The First of the Monthly Project Progress Updates represents progress made up to 5pm Friday (11/15/2024)
- 4. Task 3 (Prototype Design) was the only Task worked on during that period
- 5. The design was more difficult than originally estimated and its completion is now expected to be delayed by 1 week (5 work-days)
 - > Remaining Task (#3) Duration is now expected to be 20 more work-days
 - > Must Change remaining work-days from 15 to 20, with BC=28 and WC=35
- 6. It is also determined by the Project Team that the "Buy Prototype LL (Long-Lead) Parts" Task (#4) will take an extra two more weeks (10 work-days) longer as well, due to Added Design Complexity
 - > This Task has not begun, but we can make the Change to the Duration
 - Increase Task 4 by 10 work-days (from 35 to 45), with BC=0 and WC=0

Chrono[™] Project Progress Updating <u>Using the Project Progress Update Wizard</u>

Displa	ay Probabi	lity Chart	Project Progress Update 🗸 Nominal Durations	N	/ledium Risk Confidence	@ 50% 引 Align Cor	nmit 🏢	Resource	Commit Date 11/6/20	025 5:00:00 PM	⊐≣ Defa	
Run S	imulation		Reference Troject Baselines Goal Confidence @ 70	% C	Commit Confidence @ 72	% 🔀 View Entir	e Project	Distribution-TriGen™	% Confidence at Con	nmit Date 72%	🖓 Cont	Baseline: 10/25/2024 4:43:00 PM
Chror	o™ Wizarc	1	😸 Validate Project High Risk Confidence	@ 30% 🗮 S	elect Baseline - @Nomin	al Merge Bia	s View 🗟	Metrics	Nominal Confidence	1%	1.7 <mark>*</mark> Info	
		Chrono	o™ Tools	Chro	no™ Gantt Chart Views			Chrono™ Options	Project Summary Info - Las	t Update 10/7/202	4 Chrono™ Set	Status Date: 11/15/2024 5:00:00 PM
0	Task								Total Best Case	Worst Case	Qtr 4, 2024	
U	Mode -	WBS					Predecessors	✓ Successors ✓	Slack - Duration	Duration		11/15/2024 5:00 PM 1. Set Status Date
٦.	×2	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	44 days 0 days	0 days	10/7	1
_	→	2	Prototype Development	115 days	10/7/24 8:00 AM	3/14/25 5:00 PM			44 days 0 days	0 days		Task Update: Never Updated 🖉 2. Update Tasks
	->	2.1	Prototype Design	45 days	10/7/24 8:00 AM	12/6/24 5:00 PM	1	4SS+30 days,5	44 days 40 days	60 days		
_	->	2.2	Buy Prototype LL (Long Lead) Parts	35 days	11/18/24 8:00 AM	1/3/25 5:00 PM	3SS+30 day	rs 6	44 days 35 days	35 days		Project Update: 10/7/2024 8:00:00 AM 3. Preview
	->	2.3	Buy Remaining Prototype Parts	30 days	12/9/24 8:00 AM	1/17/25 5:00 PM	3	7	54 days 30 days	40 days		
_	->	2.4	Initial Prototype Build	20 days	1/6/25 8:00 AM	1/31/25 5:00 PM	4	/	44 days 15 days	25 days		4. Publish
_	 	2.5 2.6	Final Assembly of Prototypes Test & Evaluation	10 days	2/3/25 8:00 AM 2/17/25 8:00 AM	2/14/25 5:00 PM 3/14/25 5:00 PM	5,6 7	8 10SS+15 days,12	44 days 8 days 44 days 15 days	20 days 40 days		
	→ <u> </u>	3	Final Product Develop	20 days 105 days	3/10/25 8:00 AM	8/1/25 5:00 PM	/	1033+13 0ay5,12	44 days 15 days	0 days		Exit
)	→ <u> </u>	3.1	Final Product Design	35 days	3/10/25 8:00 AM	4/25/25 5:00 PM	8SS+15 day	's 11	44 days 0 days 44 days 30 days	50 days		
	-→ ⊑	3.2	Final Design Review	0 days	4/25/25 5:00 PM	4/25/25 5:00 PM	10	13	44 days 0 days	0 days		4/25
	→	3.3	Buy LL Parts for Qual Units and Production	30 days	3/17/25 8:00 AM	4/25/25 5:00 PM	8	14	54 days 30 days	30 days		0%
	-	3.4	Buy Remaining Parts for Qual Units	30 days	4/28/25 8:00 AM	6/6/25 5:00 PM	11	15	44 days 30 days	40 days		
-		3.5	Initial Assembly of POR (Plan of Record) Units		4/28/25 8:00 AM	5/23/25 5:00 PM	12	15	54 days 15 days	25 days		0%
,		3.6	Final Assembly of POR Units	15 days	6/9/25 8:00 AM	6/27/25 5:00 PM	13,14	16,17SS+10 days	44 days 8 days	20 days		0%
j		3.7	Conduct Qual Tests	20 days	6/30/25 8:00 AM	7/25/25 5:00 PM	15	19,18	44 days 15 days	50 days		0%
'		3.8	Verify Final Design Iterations	30 days	5/23/25 8:00 AM	8/1/25 5:00 PM	15SS+10 da		69 days 20 days	40 days		0%
;	-	4	Conduct Launch Readiness Review	0 days	8/1/25 5:00 PM	8/1/25 5:00 PM	16,17	20	69 days 0 days	0 days		8/1
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-	*	7	Commitment Milestone	0 days	11/6/25 5:00 PM	11/6/25 5:00 PM	20		0 days 0 days	0 days		· · · · · · · · · · · · · · · · · · ·
				Upda	te No. 1:							
							. /			/ /		00 PM, and select 1. Set Status Date

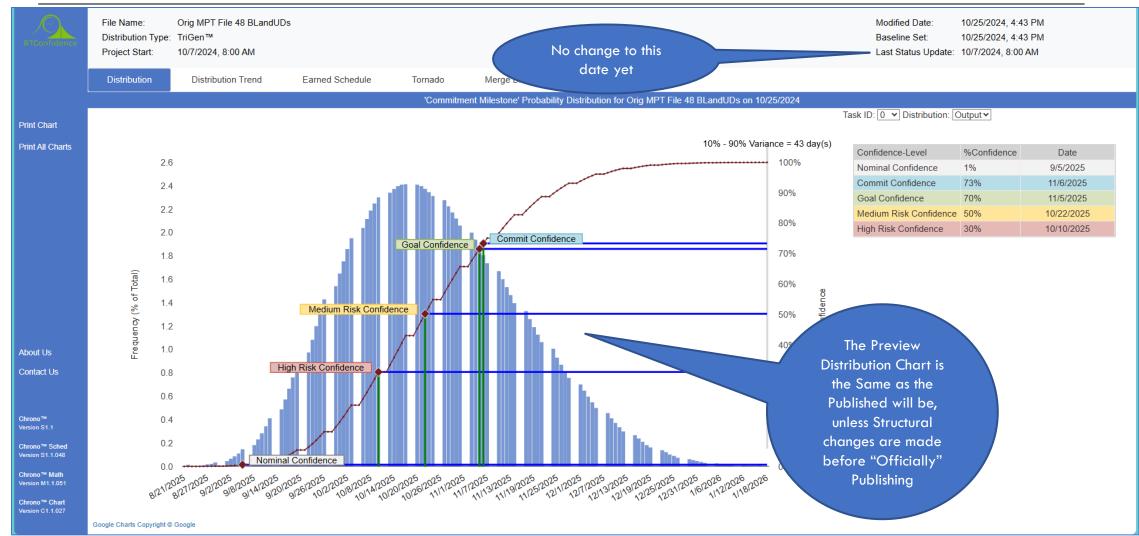
Chrono[™] Project Progress Updating *The Project Update Wizard Keeps you Honest*

-	ong	I WIP I THE 40	Deandobs	s.mpp - Project Professional										(Update Task % Complet	e OR Unit	ts Complete OR F	Remaining	Duration OR Closure	Date	×
File		Chrono™	Task F	Resource Report Project	t View Help Gantt	Chart Format	t 🔎 Tell me what	you want to do							TaskID 3 - Prototype	Design				TaskID	×
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5	Run	Simulation		P Set Project Baselines	Goal Confidence @ 70	% C	Commit Confidence @ 72	% 🔀 View Entire	e Project	Distribution-TriGen™	% Confi	idence at Con	nmit Date 72%	2	Units or Remaining D	uration o	or Closure Date,	(- past)	for closed tasks,	3	
Ē.	Chro	ono™ Wizard		Validate Project	High Risk Confidence	@ 30% 💳 S	elect Baseline - @Nomin	al Merge Bias	s View	Metrics	Nomina	al Confidence	1%	1.7	0 for closing tasks on	Status I	Date, or (+ futur	re) for op	en tasks		
			Chrono			Chro	no™ Gantt Chart Views	2		Chrono™ Options	Project Sumr	nary Info - Las	t Update 10/7/2024	1 Chron	% Complete		Units Complete		Total Units		~
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	2	■ × 	2	Prototype Development	+	0 days 115 days	10/7/24 8:00 AM 10/7/24 8:00 AM	3/14/25 5:00 PM		3		s 0 days s 0 days	0 days 0 days		Remaining Duration		Closure Date m	m/dd/yy a	and optional time		-
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	5		2.3	Buy Remaining Protot	•	30 days	12/16/24 8:00 AM		3	7		s 30 days	40 days		20	OR	12/13/202	24 J:00	1.00 PM		
	6	-	2.4	Initial Prototype Build		20 days	1/6/25 8:00 AM		4	7		s 15 days	25 days				Statu	s Date: 11/	/15/2024 5:00:00 PM		
	7	-	2.5	Final Assembly of Pro		10 days	2/3/25 8:00 AM	2/14/25 5:00 PM	5,6	8	44 day	s 8 days	20 days		Preview		Reject		Best & Wor		
	8		2.6	Test & Evaluation		20 days	2/17/25 8:00 AM	3/14/25 5:00 PM	7	10SS+15 days,12	44 day	s 15 days	40 days		Freview		Reject		Best & Wor	5L	
	9	-	3	4 Final Product Develop		105 days	3/10/25 8:00 AM	8/1/25 5:00 PM			44 day	s 0 days	0 days			1		1		_	
	10	-	3.1	Final Product Design		35 days	3/10/25 8:00 AM	4/25/25 5:00 PM	8SS+15 day	ys 11	44 day	s 30 days	50 days		Save and Exit		Done with Up	date	<u>N</u> ext		
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	12	□ →	3.3	Buy LL Parts for Qual	Units and Production	30 days	3/17/25 8:00 AM	4/25/25 5:00 PM	8	14	54 day	s 30 days	30 days		Col	umn Name	es		Gantt Chart	Start	
	13		3.4	Buy Remaining Parts		30 days	4/28/25 8:00 AM	6/6/25 5:00 PM	11	15		s 30 days	40 days		•		•	•		•	
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Ę _	15	→	3.6	Final Assembly of PO	OR Units	15 days	6/9/25 8:00 AM	6/27/25 5:00 PM	1314	16,17SS+10 days	Enter Be	st Case and V	vorst Case					•		<u> </u>	
A l	16	→	3.7	Conduct Qual Tests		20 days	6/30/25 8:00 AM	7/25/25 5:00 PM	15	19,18			sired, modify the		se				(c	antt Chart Zo	om
9	17 18	→	3.8	Verify Final Design It		30 days	6/23/25 8:00 AM	8/1/25 5:00 PM	15SS+10 do		Durati	on and/or the	e Worst Case Du	ration							
- K	10		4	Conduct Launch Reading		0 days	8/1/25 5:00 PM	8/1/25 5:00 PM	16,17	20	_										
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ha	nge	e the 3	-pt (B	C = 18 and WC	; = 25), then se	lect Ac	cept Change	s													

Chrono[™] Project Progress Updating <u>Chrono[™] Project Progress Updating</u> <u>Chronofidence</u> <u>The Project Update Wizard Keeps you Honest</u>

Run Simulatio		වේ Project Progress Update වේ Set Project Baselines	Goal Confidence @	70% 🏴	Commit Confidence @	72% 53 View F	ntire Project	 Distribution-TriGen™	P % Confidence at	t Commit Date 72	%	Baseline: 10/25/2024 4:43:00 PM
Chrono [™] Wiza		Validate Project	High Risk Confidence		Select Baseline - @Nomi		, ,	Metrics	Nominal Confidence		1.74	
CHIONO WIZa		ro™ Tools	1 - Thigh Kisk Confidence		rono™ Gantt Chart Views	iai ivierge		Chrono™ Options	Project Summary Info -			
T 1										Worst		
i Task Mode			-	Duration	👻 Start 👻	Finish 🗸	Predecessors		ital Best Case ack - Duration	Case Duration Se	Qtr 4, 20 Oct	No 11/15/2024 5:00:00 PM 1. Set Status Date
- 📌	1	Start Milestone		0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	44 days 0 days	0 days	4 10/7	
	2	Prototype Development	:	115 days	10/7/24 8:00 AM	3/14/25 5:00 PM			44 days 0 days	0 days	÷	Task Update: 11/15/2024 5:00:00 PM 2. Update Tasks
-	2.1	Prototype Design		50 days	10/7/24 8:00 AM	12/13/24 5:00 PM	1	4SS+30 days,5	44 days 45 days	62.5 day		· · · · · · · · · · · · · · · · · · ·
-	2.2	Buy Prototype LL (Lon	g-Lead) Parts	35 days	11/18/24 8:00 AM	1/3/25 5:00 PM	355+30 days	6	44 days 35 days	35 days	<u> </u>	Project Update: 10/7/2024 8:00:00 AM 3. Preview
-	2.3	Buy Remaining Protot	ype Parts	30 days	12/16/24 8:00 AM	1/24/25 5:00 PM	3	7	49 days 30 days	40 days		110jee 0pdde: 10/7/20210.00.00 Art
	2.4	Initial Prototype Build		20 days	1/6/25 8:00 AM	1/31/25 5:00 PM	4	7	44 days 15 days	25 days		4. Publish
-	2.5	Final Assembly of Pro	totypes	10 days	2/3/25 8:00 AM		5,6	8	44 days 8 days	20 days		1.1 40/31
	2.6	Test & Evaluation		20 days	2/17/25 8:00 AM		7	10SS+15 days,12	44 days 15 days	40 days		Exit
	3	Final Product Develop		105 days	3/10/25 8:00 AM	8/1/25 5:00 PM			44 days 0 days	0 days		
-	3.1	Final Product Design		35 days	3/10/25 8:00 AM	4/25/25 5:00 PM	8SS+15 days	11	44 days 30 days	50 days		
	3.2	Final Design Review		0 days	4/25/25 5:00 PM	4/25/ Warning - Ac	cept Change?		×s	0 days		4/25
→	3.3	Buy LL Parts for Qual		30 days	3/17/25 8:00 AM	4/25/			γs	20 days		0%
→	3.4	Buy Remaining Parts f		30 days	4/28/25 8:00 AM	6/6/2 Preview Upda	te?		ýs	40 days		0%
	3.5		OR (Plan of Record) Units		4/28/25 8:00 AM 6/9/25 8:00 AM	5/23/ The updates	made to completed	or partially completed tasks	cannot be	25 days		0%
	3.6 3.7	Final Assembly of PO Conduct Qual Tests	R Units	15 days	6/30/25 8:00 AM	T/DE / then make ad	Iditional changes to	he Simulation and Preview future tasks prior to officia	the results, S ally	20 days		0%
	3.7	Verify Final Design Ite	rations	20 days 30 days	6/23/25 8:00 AM	Publishing th 8/1/2	e update. Proceed?		ys vs	50 days 40 days		0%
	5.0	Conduct Launch Readine		0 days	8/1/25 5:00 PM	8/1/2			ys c	0 days		8/1
	5	Buy Remaining Production		30 days	7/28/25 8:00 AM	9/5/2		Yes	No VS	40 days		0%
	6	Start Production		0 days	9/5/25 5:00 PM	9/5/25 5:00 PM	19,18	21	44 days 0 days	0 days		9/5
) 🗖		Commitment Milestone		0 days	11/6/25-5.00 PM	11/6/25 5:00 PM	20		0 days 0 days	0 days		· · · · · · · · · · · · · · · · · · ·

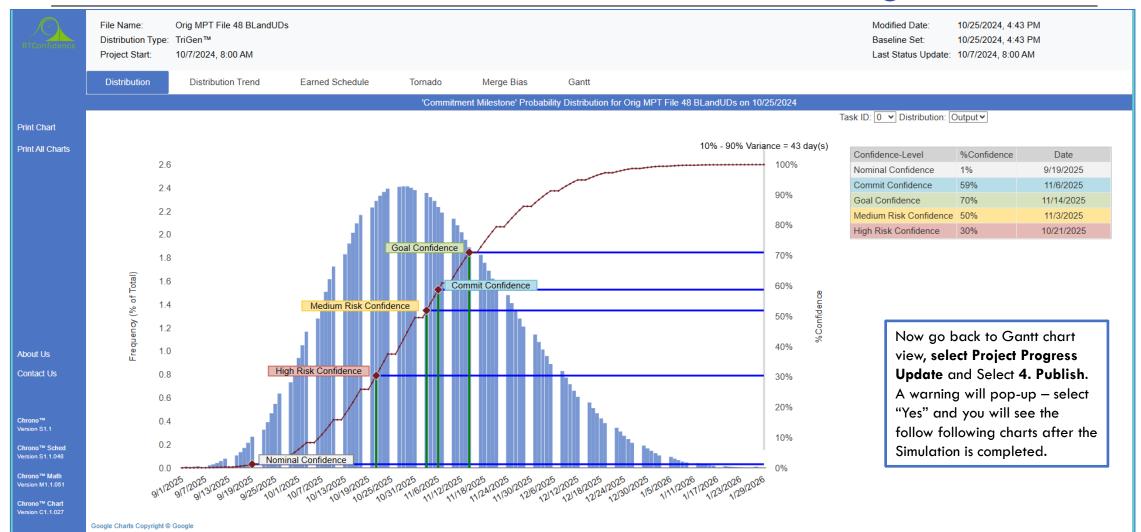
SRA Simulation Output – Update #1 C RTConfidence Result of "Previewing" the Update



Chrono[™] Project Progress Updating <u>Adjusting Future Tasks after Preview, before Publishing</u>

Dist	play Probab	ility Chart	Real Project Progress Update V Nominal Durations	Po	Medium Risk Confiden	ce @ 50% 🚽 Align Com	umit 🖽	Resource	Commit Date 11/	6/2025 5:00:00 PM	□≣ Defaults				
'	n Simulation	,	Set Project Baselines Goal Confidence @		Commit Confidence @			Distribution-TriGen™		at Commit Date 739					
		-			Select Baseline - @Nom			Metrics			1.7 Info				
Chro	ono™ Wizar		Image: Second state of the s		Select Baseline - @Nom rono™ Gantt Chart Views	-	View 🖂	S Metrics Chrono™ Options	Nominal Confide		iian Info 2024 Chrono™ Settings, Ver. S1.1.04	•			
		chion		ch	Tono Gante Chart views				Best	Worst					
(Task Mode	- WBS	Task Name	Duration	Start	Finish - Pr	redecessors	✓ Successors ✓ S	Total Case	Case	Qtr 4, 2024 Qtr 1, 2025 Oct Nov Dec Jan Feb	Qtr 2, 2025 Mar Apr May	Qtr 3, 2025 Jun Jul Aug	Qtr 4, 2025 Sep Oct No	
	 ✓ ✓ 	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	0 days 0 days		10/7		, and , and , and ,		
-		2	Prototype Development	125 days	10/7/24 8:00 AM	3/28/25 5:00 PM		_	34 days 0 days	0 days		17%			
+	-	2.1	Prototype Design	50 days	10/7/24 8:00 AM	12/13/24 5:00 PM 1		4SS+30 days,5	49 days 45 days	-	60%				
		2.2	Buy Prototype LL (Long-Lead) Parts	45 days	11/18/24 8:00 AM		SS+30 days		34 days 45 days		0%				
		2.3	Buy Remaining Prototype Parts	30 days	12/16/24 8:00 AM	1/24/25 5:00 PM 3		7	49 days 🔂 days	40 days	-0%				
		2.4	Initial Prototype Build	20 days	1/20/25 8:00 AM	2/14/25 5:00 PM 4		7	34 days 5 days	25 days		0%			
	-	2.5	Final Assembly of Prototypes	10 days	2/17/25 8:00 AM	2/28/25 5:00 PM 5,	,6	8	34 days 3 days	20 days		0%			
	-	2.6	Test & Evaluation	20 days	3/3/25 8:00 AM	3/28/25 5:00 PM 7		10SS+15 days,12	34 days 15 days	40 days		0%			
	□ →	3	Final Product Develop	105 days	3/24/25 8.90 AM	8/15/25 5:00 PM			34 days 0 days	0 days			0%	Ď	
	□ →	3.1	Final Product Design	35 days	3/24/25 8:00 AM	5/9/25 5:00 PM 85	SS+15 days	11	34 day: 30 days	50 days		0%			
	□ →	3.2	Final Design Review	0 days	5/9/25 5:00 PM	5/9/25 5:00 PM 10	0	13	34 days 0 days	0 days			9		
	→	3.3	Buy LL Parts for Qual Units and Production	30 days	3/31/25 8:00 AM	5/9/25 5:00 PM 8		14	44 days 30 days	30 days		0%			
;	□ →	3.4	Buy Remaining Parts for Qual Units	30 days	5/12/25 8:00 AM	6/20/25 5:00 PM 11	1	15	34 days 30 days	40 days			0%		
	□	3.5	Initial Assembly of POR (Plan of Record) Units	s 20 days	5/12/25 8:00 AM	6/6/25 5:00 PM 12		15	44 days 15 days	25 days					
		3.6	Final Assembly of POR Units	15 days	6/23/25 8:00 AM		3,14	16,17SS+10 days	34 days 8 days	20 days			0%		
		3.7	Conduct Qual Tests	20 days	7/14/25 8:00 AM	8/8/25 5:00 PM	5	19,18	34 days 15 days				0%		
		3.8	Verify Final Design Iterations	30 days	7/7/25 8:00 AM		555+10 days		59 days 20 days				0%		
_		4	Conduct Launch Readiness Review	0 days	8/15/25 5:00 PM		6,17	20	59 days 0 days	0 days				15	
		5	Buy Remaining Production Parts	30 days	8/11/25 8:00 AM	9/19/25 5:00 PM 1 6		20	34 days 30 days	40 days				0%	
	□ →	6	Start Production	0 days	9/19/25 5:00 PM		9,18	21	34 days 0 days	0 days			<	° [*] • 9/19 ↓	11/6
	X	7	Commitment Milestone	0 days	11/6/25 5:00 PM	11/6/25 5:00 PM 20)		0 days 0 days	0 days				• •	11/6
_					Update No.	1.									
					-				//						
					I. Go to las	k ID 4 Duratio	on and c	hange it to 4	15 days (the	en your cha	rt should match thi	s one).			
					2. Change B	est-Case to 45	5 and W	/orst-Case to	45.						
					•					No chanc	ges to Distribution 1	Frond or ES			
							inspect II	ne Oulpuis -	nexi churi.						
					Charts ar	e made yet.									

SRA Simulation Output – Update #1 C RTConfidence Result of Second Preview – after last change



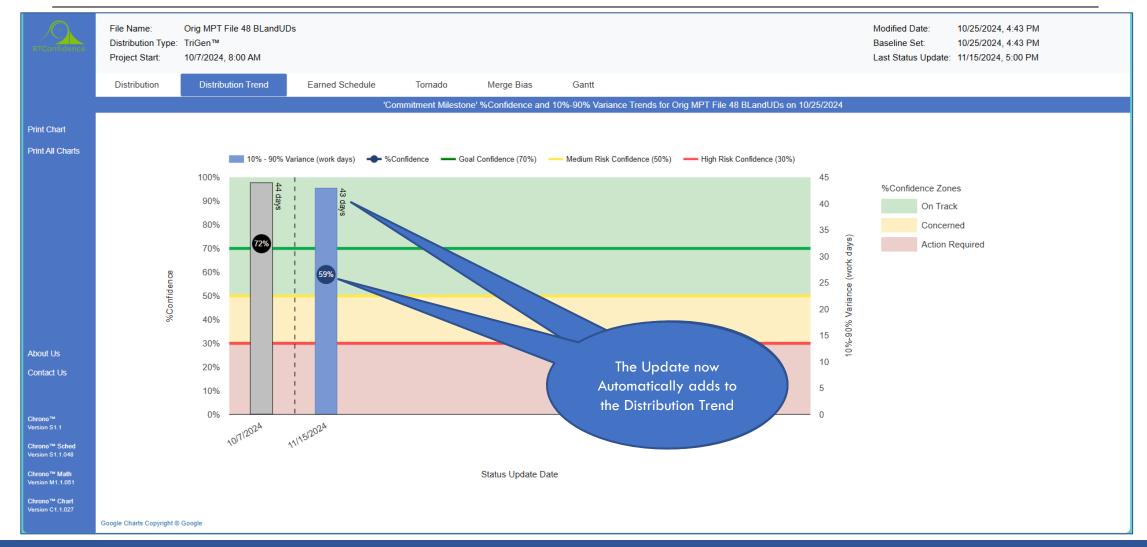
Chrono[™] Project Progress Updating <u>Publishing the 1st Project Progress Update</u>

-	hrono™	Task.	Resource Report Project View Help Gant	Chart Forma	, ,								
Displ	ay Probabi	ility Chart	Real Project Progress Update Vominal Durations	1	Medium Risk Confidence	🖻 50% 녁 Align Con	nmit 🏢	Resource	Commit Date 11/6/2	025 5:00:00 PM	⊐≌ Defa		
Run	Simulation		Reg Set Project Baselines Goal Confidence @ 7	0% (Commit Confidence @ 59	% 🔀 View Entir	e Project	Distribution-TriGen™	% Confidence at Cor	nmit Date 59%	🖓 Cont	Baseline: 10/25/2024 4:43:00 PM	
Chro	no™ Wizaro	d	😸 Validate Project High Risk Confidence	e @ 30% 📃 S	elect Baseline - @Nomina	l Merge Bia	s View 🗟	Metrics	Nominal Confidence	: 1%	1.7* Info		
	_	Chrono	™ Tools	Chr	ono™ Gantt Chart Views			Chrono™ Options	Project Summary Info - Las	st Update 10/7/202	24 Chrono™ Set	Status Date: 11/15/2024 5:00:00 PM	
	Task								Total Best Case	Worst Case	Qtr 4, 2024		
Q	_			Duration			Predecessors	✓ Successors ✓	Slack v Duration	Duration	Oct Nov	11/15/2024 5:00:00 PM	1. Set Status Date
 ✓ 		1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	0 days 0 days	0 days	10/7		
	→	2	Prototype Development	125 days	10/7/24 8:00 AM	3/28/25 5:00 PM			34 days 0 days	0 days		Task Update: 11/15/2024 5:00:00 PM	2. Update Tasks
		2.1	Prototype Design	50 days	10/7/24 8:00 AM	12/13/24 5:00 PM	1	4SS+30 days,5	49 days 45 days	62.5 days			
	→	2.2	Buy Prototype LL (Long-Lead) Parts	45 days	11/18/24 8:00 AM	1/17/25 5:00 PM	355+30 days	6	34 days 45 days	45 days		Project Update: 10/7/2024 8:00:00 AM	3. Preview
_	->	2.3	Buy Remaining Prototype Parts	30 days	12/16/24 8:00 AM		3	/	49 days 30 days	40 days			
	->	2.4	Initial Prototype Build	20 days	1/20/25 8:00 AM		4	7	34 days 15 days	25 days			📕 4. Publish
	→	2.5	Final Assembly of Prototypes	10 days	2/17/25 8:00 AM	2/28/25 5:00 PM 3/28/25 5:00 PM	5,6	8 1000 115 days 10	34 days 8 days	20 days			
	->	2.6	Test & Evaluation	20 days	3/3/25 8:00 AM		7	10SS+15 days,12	34 days 15 days	40 days	-		Exit
)	->	3	Final Product Develop	105 days	3/24/25 8:00 AM	8/15/25 5:00 PM	0001151	44	34 days 0 days	0 days	-11		
1		3.1 3.2	Final Product Design	35 days 0 days	3/24/25 8:00 AM 5/9/25 5:00 PM	5/9/25 5:00 PM 5/9/2 Warning - Acc		11	34 days 30 days	50 days 0 days	-	☆ ★ 5/9	
2	→ <u> </u>	3.3	Final Design Review Buy LL Parts for Qual Units and Production	30 days	3/31/25 8:00 AM	5/9/2 Warning - Act	cept Change:		~ /S	30 days		0%	
3	-→ □	3.4	Buy Remaining Parts for Qual Units	30 days	5/12/25 8:00 AM	6/20/ Publish Upda	+-2		195	40 days	-11	0%	
1	-→ □	3.5	Initial Assembly of POR (Plan of Record) Unit	-	5/12/25 8:00 AM	6/6/2			195	25 days			
5	7	3.6	Final Assembly of POR Units	15 days	6/23/25 8:00 AM	7/11/ Progress Upd	ate will be officially	int will be locked in and Published (including up	dates to /c	20 days		0%	
;		3.7	Conduct Qual Tests	20 days	7/14/25 8:00 AM	Distribution T		 also please note that a and ES data associated 		50 days			0%
7		3.8	Verify Final Design Iterations	30 days	7/7/25 8:00 AM	8/15/ name. Procee			ivs	40 days			0%
		4	Conduct Launch Readiness Review	0 days	8/15/25 5:00 PM	8/15/			1-	0 days		~	8/15
•		5	Buy Remaining Production Parts	30 days	8/11/25 8:00 AM	9/19/		Yes	No No	40 days			0%
0		6	Start Production	0 days	9/19/25 5:00 PM	9/19/25 5:00 PM	19,18	21	34 days u days	0 days		_	♦ 9/19
1	*	7	Commitment Milestone	0 days	11/6/25 5:00 PM	11/6/25 5:00 PM			0 days 0 days	0 days			4 11/
				Γ									
					Update No.	l:		-					
					1. Go back t	o Project Pr	ogress Un	odate 🛛					
					2. Select 4.	· · · /							
								<u> </u>					
					3. Select Yes	when the po	op-up app	pears. ¹ The si	mulation will	run, and	Chrono w	ill automatically save	
					a hack up	file named	" <filo na<="" td=""><td>ma> 001"</td><td></td><td></td><td></td><td></td><td></td></filo>	ma> 001"					

SRA Simulation Output – Update #1 <u>CRECONFIDENCE</u> Result of Officially Publishing the Update



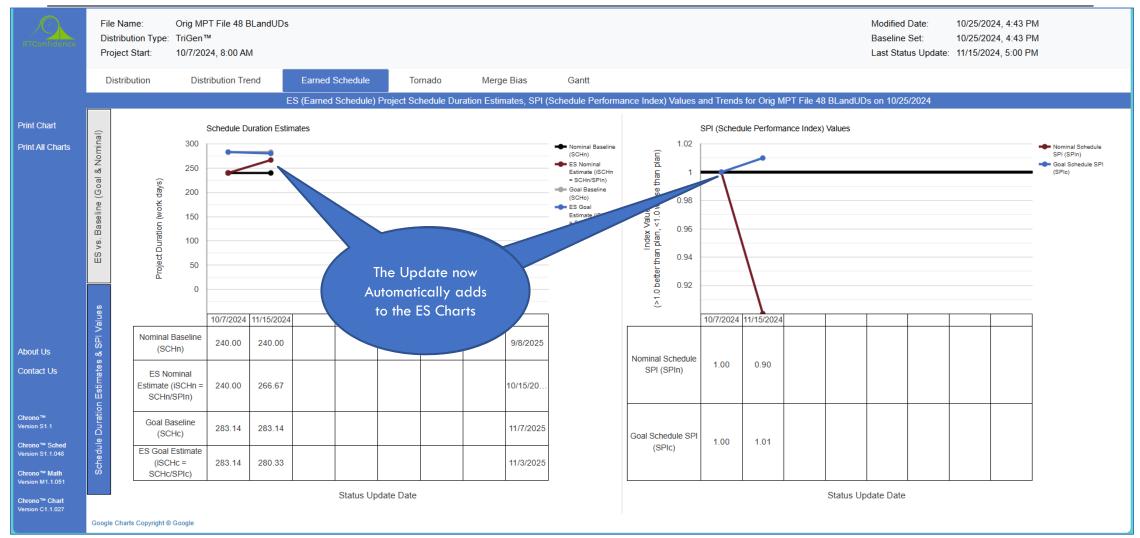
SRA Simulation Output – Update #1 **Result of Officially Publishing the Update**



SRA Simulation Output – Update #1 **Result of Officially Publishing the Update**



SRA Simulation Output – Update #1 <u>Result of Officially Publishing the Update</u>



	-	ity Chart	Reg Project Progress Update Nominal Durations	М	edium Risk Confidence	@ 50% 녁 Align Com		source	Commit Date 11/6/2025	5:00:00 PM	□ _a : Defaults	
Run S	imulation		Reg Set Project Baselines Goal Confidence @ 7	70% 🗸 🤇	Commit Confidence @ 5	9% 🔀 View Entir	e Project 🔛 Dis	tribution-TriGen™	% Confidence at Comm	nit Date 59%		
Chron	o™ Wizard		😸 Validate Project High Risk Confidence	e @ 30% 🗮 Se	lect Baseline - @Goal	Merge Bias	s View 🛛 😽 Me	etrics	Probable Finish 11/6/20	25, 0.0 Work Days (Dn time 1.8* Info	
		Chrono	™ Tools	Chror	no™ Gantt Chart Views		Ch	rono™ Options	Project Summary Info	- Last Update 11/15	/2024 Chrono™ Settings, Ver. S1.1.048	
G	Task Mode 🖥	WBS -	Task Name	- Duration -	Start -	Finish 👻	Predecessors 👻	Successors 👻	Total Slack - Best Case Duration	Worst Case		tr 4, 2025 Oct Nov
	*	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	0 days 0 days			
		2	Prototype Development	137.77 days	10/7/24 8:00 AM	4/16/25 3:10 PM			0 days 0 days	0 days	15%	
		2.1	Prototype Design	51.68 days	10/7/24 8:00 AM	12/17/24 2:26 PM	1	4SS+30 days,5	8.96 days 45 days	62.5 days	58%	
	-	2.2	Buy Prototype LL (Long-Lead) Parts		11/18/24 8:00 AM	1/17/25 5:00 PM	3SS+30 days	6	0 days 45 days	45 days	0%	
	4	2.3	Buy Remaining Prototype Parts		12/17/24 2:26 PM	2/4/25 3:53 PM	3	7FS+0.11 days	8.96 days 30 days	40 days		
	-	2.4	Initial Prototype Build		1/20/25 8:00 AM	2/17/25 3:34 PM	4	7FS+0.11 days	0 days 15 days	25 days	0%	
	-	2.5	Final Assembly of Prototypes	14.02 days	2/17/25 4:26 PM	3/7/25 4:36 PM	5FS+0.11 days	8	0 days 8 days	20 days	0%	
	-	2.6	Test & Evaluation	27.82 days	3/7/25 4:36 PM	4/16/25 3:10 PM	7	10SS+15 days,12	0 days 15 days	40 days	0%	
	-	3	Final Product Develop	123.68 days	3/28/25 4:36 PM	9/18/25 2:02 PM			0 days 0 days	0 days	0%	
	-	3.1	Final Product Design	40 days	3/28/25 4:36 PM	5/23/25 4:36 PM	8SS+15 days	11	0 days 30 days	50 days	0%	
	-	3.2	Final Design Review	0 days	5/23/25 4:36 PM	5/23/25 4:36 PM	10	13	0 days 0 days	0 days	₫ 5/23	
	-	3.3	Buy LL Parts for Qual Units and Production	30 days	4/16/25 3:10 PM	5/28/25 3:10 PM	8	14	11.99 days 30 days	30 days	0%	
	-	3.4	Buy Remaining Parts for Qual Units	35.02 days	5/23/25 4:36 PM	7/11/25 4:46 PM	11	15FS+1.8 days	0 days 30 days	40 days	≛ 0%	
	-	3.5	Initial Assembly of POR (Plan of Record) Unit	s 20.21 days	5/28/25 3:10 PM	6/25/25 4:50 PM	12	15FS+1.8 days	11.99 days 15 days	25 days		
	□	3.6	Final Assembly of POR Units	14.43 days	7/15/25 3:10 PM	8/5/25 9:36 AM	13FS+1.8 days	16,17SS+10 days	0 days 8 days	20 days	0%	
	□ →	3.7	Conduct Qual Tests	32.43 days	8/5/25 9:36 AM	9/18/25 2:02 PM	15	19,18FS+4.55 day	0 days 15 days	50 days	0%	
	□	3.8	Verify Final Design Iterations	30.7 days	7/29/25 3:10 PM	9/10/25 11:46 AM	15SS+10 days	18FS+4.55 days	36.59 days 20 days	40 days	-0%	
		4	Conduct Launch Readiness Review	0 days	9/25/25 9:26 AM	9/25/25 9:26 AM	16FS+4.55 day	20FS+0.39 days	30.43 days 0 days	0 days	9 ,	/25
		5	Buy Remaining Production Parts	34.98 days	9/18/25 2:02 PM	11/6/25 1:53 PM	16	20FS+0.39 days	0 days 30 days	40 days		0%
	□ →	6	Start Production	0 days	11/6/25 5:00 PM	11/6/25 5:00 PM	19FS+0.39 day	21	0 days 0 days	0 days		11
٦.	*	7	Commitment Milestone	0 days	11/6/25 5:00 PM	11/6/25 5:00 PM	20		0 days 0 days	0 days		o 🕴 11
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Disp	lay Probab	ility Chart	Reg Project Progress Update 🗸 Nominal Durations		Medium Risk Confidence	@ 50% 引 Align Cor	nmit 🖩 F	Resource	Commit Date 11/6/2	025 5:00:00 PM	□≌ Defaults	
un	Simulation	ı	🖧 Set Project Baselines Goal Confidence @ 7	0%	Commit Confidence @ 59	% 🔀 View Entir	re Project 💼 🛙	Distribution-TriGen™	% Confidence at Co	nmit Date 59%		
hro	no™ Wizar	d	Validate Project High Risk Confidence	e @ 30% 🚍 :	Select Baseline - @Nomin	al Merge Bia	s View 🔣 1	Metrics	Nominal Confidence	e 1%	1.7↓ Is↑ Info	
		Chron	[™] Tools	Chr	ono™ Gantt Chart Views		(Chrono™ Options	Project Summary Info - Las	t Update 11/15/20	024 Chrono™ Settings, Ver. S1.1.048	
	Task								Total Best Case	Worst	Qtr 4, 2024 Qtr 1, 2025 Qtr 2, 2025 Qtr 3,	, 2025 Qtr 4, 2025
		wbs .	r Task Name	Duration	✓ Start	Finish -	Predecessors	✓ Successors ✓	Slack 👻 Duration	Case Duration	Oct Nov Dec Jan Feb Mar Apr May Jun Jul	Aug Sep Oct No
~	/ 🖈	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		3	0 days 0 days	0 days	• 10/7	
	→	2	Prototype Development	125 days	10/7/24 8:00 AM	3/28/25 5:00 PM			34 days 0 days	0 days	17%	
		2.1	Prototype Design	50 days	10/7/24 8:00 AM	12/13/24 5:00 PM	1	4SS+30 days,5	49 days 45 days	62.5 days	60%	
	→	2.2	Buy Prototype LL (Long-Lead) Parts	45 days	11/18/24 8:00 AM	1/17/25 5:00 PM	355+30 days		34 days 45 days	45 days	0%	
	□ →	2.3	Buy Remaining Prototype Parts	30 days	12/16/24 8:00 AM	1/24/25 5:00 PM	3	7	49 days 30 days	40 days		
	□ →	2.4	Initial Prototype Build	20 days	1/20/25 8:00 AM	2/14/25 5:00 PM	4	7	34 days 15 days	25 days	0%	
		2.5	Final Assembly of Prototypes	10 days	2/17/25 8:00 AM	2/28/25 5:00 PM	5,6	8	34 days 8 days	20 days	0%	
		2.6	Test & Evaluation	20 days	3/3/25 8:00 AM		7	10SS+15 days,12	34 days 15 days	40 days	0%	
		3	Final Product Develop	105 days	3/24/25 8:00 AM	8/15/25 5:00 PM			34 days 0 days	0 days		0%
	->	3.1	Final Product Design	35 days	3/24/25 8:00 AM	5/9/25 5:00 PM	8SS+15 days		34 days 30 days	50 days	0%	
	->	3.2	Final Design Review	0 days	5/9/25 5:00 PM	5/9/25 5:00 PM	10	13	34 days 0 days	0 days	♦ 5/9	
		3.3	Buy LL Parts for Qual Units and Production	30 days	3/31/25 8:00 AM	5/9/25 5:00 PM	8	14	44 days 30 days	30 days	0%	
	->	3.4	Buy Remaining Parts for Qual Units	30 days	5/12/25 8:00 AM	6/20/25 5:00 PM	11	15	34 days 30 days	40 days	0%	
		3.5	Initial Assembly of POR (Plan of Record) Units		5/12/25 8:00 AM	6/6/25 5:00 PM	12	15	44 days 15 days	25 days		
		3.6	Final Assembly of POR Units	15 days	6/23/25 8:00 AM	7/11/25 5:00 PM	13,14	16,17SS+10 days	34 days 8 days	20 days	09	6
		3.7	Conduct Qual Tests	20 days	7/14/25 8:00 AM	8/8/25 5:00 PM	15	19,18	34 days 15 days	50 days		0%
		3.8	Verify Final Design Iterations	30 days	7/7/25 8:00 AM	8/15/25 5:00 PM	15SS+10 day		59 days 20 days	40 days		0%
	□ →	4	Conduct Launch Readiness Review	0 days	8/15/25 5:00 PM	8/15/25 5:00 PM	16,17	20	59 days 0 days	0 days		♦ 8/15 8/15 80/
-		5	Buy Remaining Production Parts	30 days	8/11/25 8:00 AM	9/19/25 5:00 PM	16	20	34 days 30 days	40 days		0%
	□ →	6	Start Production	0 days	9/19/25 5:00 PM	9/19/25 5:00 PM	19,18	21	34 days 0 days	0 days		◇ ** ^{9/19} ੍
1	*	7	Commitment Milestone	0 days	11/6/25 5:00 PM	11/6/25 5:00 PM	20		0 days 0 days	0 days	Updates are auto-Saved and	•
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-											the same folder	
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	D	istribution Type: Tri	g MPT File 4≀ Gen™ /7/2024, 8:00		S																		Base	fied Date: line Set: Status Upd		10/25/2024, 4 10/25/2024, 4 11/15/2024, 5	1:43 PM	
	ſ	Distribution	Distribution	Trend	Earn	ned Sch	edule	Т	ornado		Merge I	Bias	Ga	intt														
											'Ori	g MPT Fi	e 48 BL	andUDs	' 21 Tas	Schedu	le Commit											
		Format: Hour Day Week Month Q														:024			2025	5								
hart			Start Date	End Date	% Comp.	ID	Dur	Best	Nominal	Worst	Preds	Succs	Total Slack	Mode	Sep Oc	Nov De	c Jan Feb	Mar Aş	pr May J	Jun Jul	Aug	Sep Oct	t Nov					
	a	Start Milestone	10/07/2024 08:00	10/07/2024 08:00		1						3		Manual	¢٦													
Charts	<u> </u>	- Prototype Development	10/07/2024 08:00	04/16/2025 15:06	15.56%	2	137.76	125	125	125					-	_			15.56%									
	l 2	Prototype Design	10/07/2024 08:00	12/17/2024 14:27	58.05%	3	51.68	45	50	62.5	1	4SS+30 days,5			4		58.05%											
		Buy Prototype LL (Long-Lead) Parts	11/18/2024 08:00	01/17/2025 17:00		4	45	45	45	45	3SS+30 days	6																
		Buy Remaining Prototype Parts	12/17/2024 14:27	02/04/2025 15:54		5	35.18	30	30	40	3	7FS+0.11	8.94			4												
		Initial Prototype Build	01/20/2025 08:00	02/17/2025 15:31		6	20.81	15	20	25	4	7FS+0.11																
		Final Assembly of Prototypes	02/17/2025 16:23	03/07/2025 16:32		7	14.02	8	10	20	5FS+0.11,6F	. 8																
	is l	Test & Evaluation	03/07/2025 16:32 03/28/2025 16:32	04/16/2025 15:06		8	27.82	15	20	40	7	105S+15 day																
	L R I	Final Product Develop Final Product Design	03/28/2025 16:32	05/23/2025 09:25		10	40	105	105	105	8SS+15 days	11										-						
	.₽	Final Design Review	05/23/2025 16:32	05/23/2025 16:34		10	40	30	35	50	10	13							407									
	1	Buy LL Parts for Qual Units and Pro	04/16/2025 15:06	05/28/2025 15:06		12	30	30	30	30	8	14	12					L.										
		Buy Remaining Parts for Qual Units	05/23/2025 16:34	07/11/2025 16:45		13	35.02	30	30	40	11	15FS+1.80							4									
		Initial Assembly of POR (Plan of Re	05/28/2025 15:06	06/25/2025 16:45		14	20.21	15	20	25	12	15FS+1.80	12						,									
		Final Assembly of POR Units	07/15/2025 15:10	08/05/2025 09:34		15	14.42	8	15	20	13FS+1.80,1	16,17SS+10																
	쑸	Conduct Qual Tests	08/05/2025 09:34	09/18/2025 14:00		16	32.43	15	20	50	15	19,18FS+4.55									4							
	Ř	Verify Final Design Iterations	07/29/2025 15:10	09/10/2025 11:45		17	30.7	20	30	40	1555+10 days	18FS+4.55	36.58															
	Ε	Conduct Launch Readiness Review	09/25/2025 09:25	09/25/2025 09:25		18					16FS+4.55,1	20FS+0.39	30.43									•						
	di	Buy Remaining Production Parts	09/18/2025 14:00	11/06/2025 13:51		19	34.98	30	30	40	16	20FS+0.39										4						
	ž	Start Production	11/07/2025 08:00	11/06/2025 17:00		20					19FS+0.39,1	. 21											~					
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Section 2 EVM (Earned Value Management) Training Setting Up and EVM Project Baselining and Updating an EVM Project Inputting Actual Costs for an EVM Project

CHRONO[™] TRAINING REFERENCE GUIDE

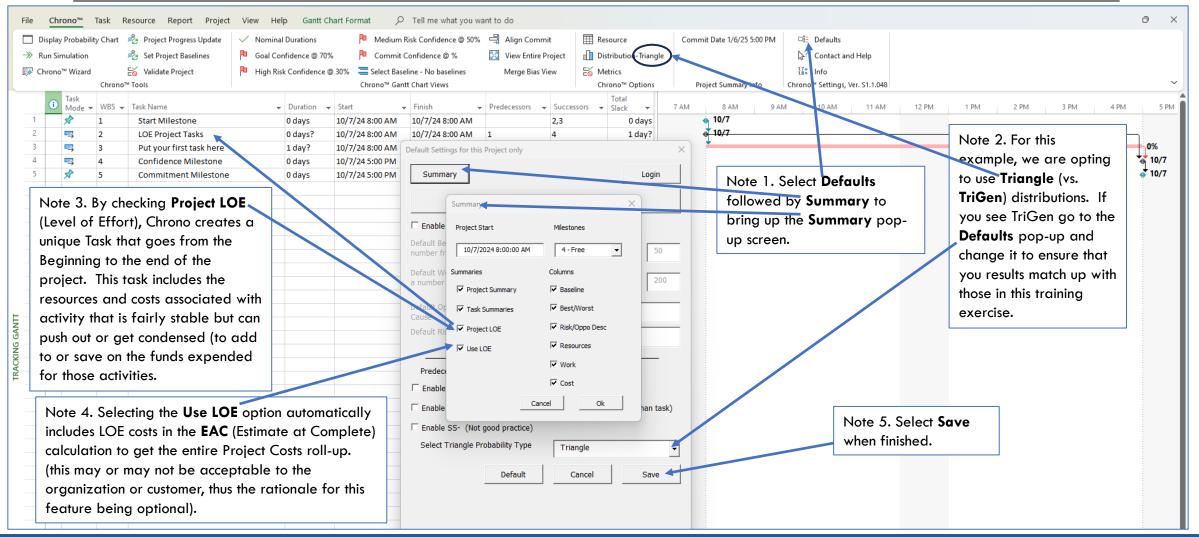
Creating an EVM-Ready IMS Template File for Simple EVM Project Demo

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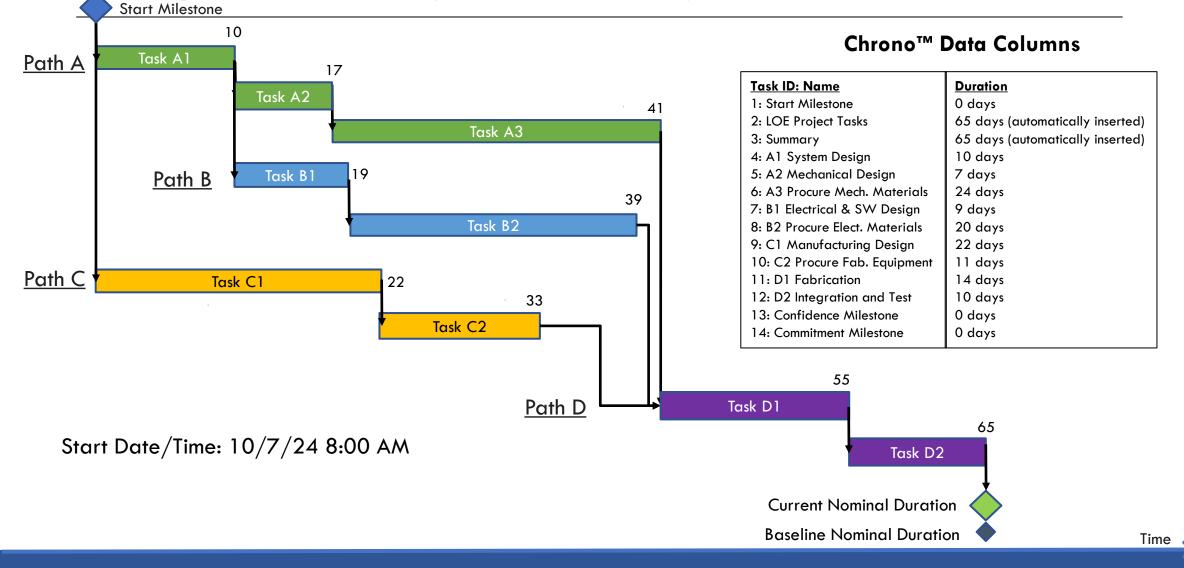
Creating an EVM-Ready IMS New File Set-up for Simple EVM Project (1 of 2)

File <u>Chrono™</u> Task Resource Report Proje	ect View Help Gantt Chart Format 👂 Tell me what you want to do	o ×
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Creating an EVM-Ready IMS New File Set-up for Simple EVM Project (2 of 2)



Creating an EVM-Ready IMS Simple Nominal (Critical Path) Schedule





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→ Run Simulation Ag Se From Chrono [™] Wizard Eo Va	roject Progress Update et Project Baselines alidate Project	P Goal Confidence @ 70% P (P High Risk Confidence @ 30% ≡ Se	Commit Confidence @ % 🔯 Vie lect Baseline - No baselines Me	w Entire Project	Resource Distribution-Triangle	17+ 18+ Info
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RTCONFIDENCE, INC. PROPRIETARY

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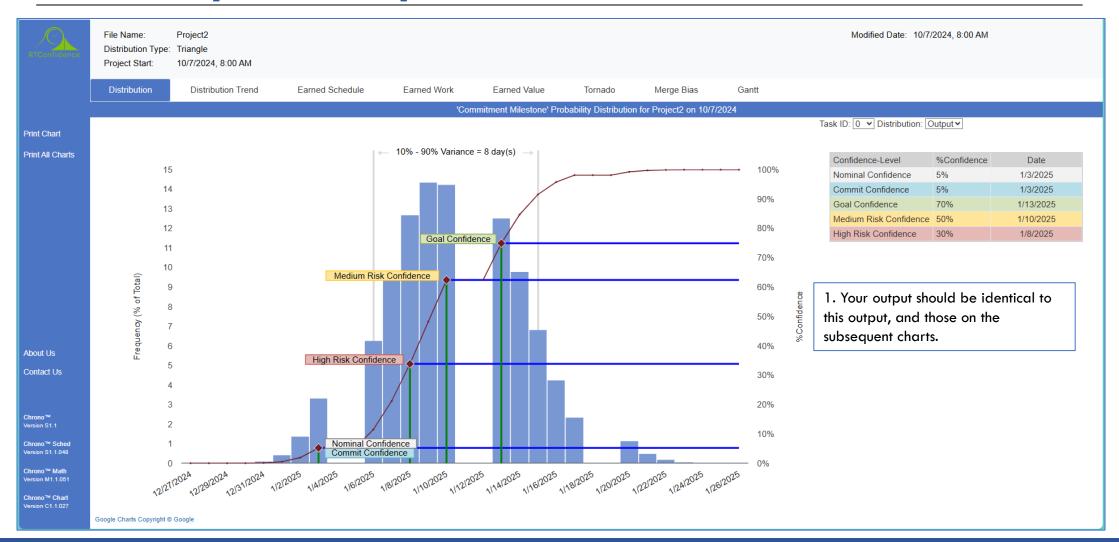


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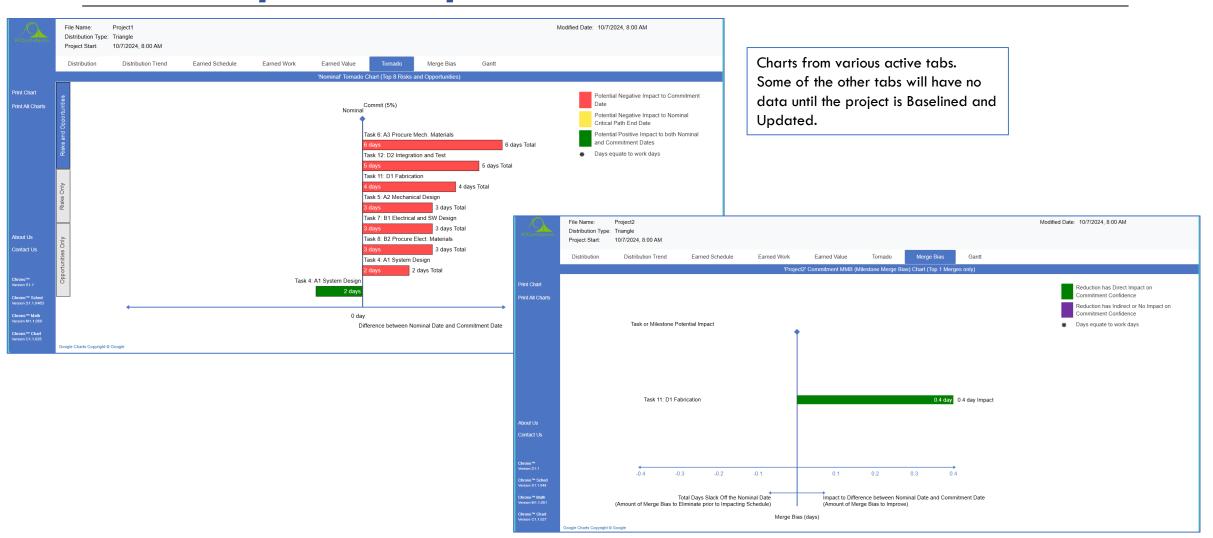


Dis	play Probabi	lity Chart	🛱 Project Progress Update 🧹	Nominal Durations	🏴 Medium	n Risk Confidence @ 50%	6 引 Align Commit	Resource	Comm	it Date 1/3/25 5:00	PM	⊐≞ De	aults			
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	-	3.6	C1 Manufacturing Design	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1 10	8 days	20 days	30 days	*		0%			
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Creating an EVM-Ready IMS EVM Project Set-up – Chart #6c



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)isplay P	robability Chart	Project Progress Up	date 🗸 🗸 Nominal Du	ations Medium	Risk Confidence @	50% 🚽 Align Commit	Resource	1 & 4 Commit Date 1/3/25 5:00 PM	□ ⁸ - Defaults	
un Simu		 Set Project Baselines 			Confidence @ 5%	View Entire Project	Distribution-Triangle	% Confidence at Commit Date 5%	Contact and Help	
	~	-		_	_					
Chrono™		Validate Project	High Risk Cor	nfidence @ 30% 🗮 Select Ba		es Merge Bias View	Eo⊂ Metrics	Nominal Confidence 5%	17.↓ 18.↓ Info	
\odot	Chrono™ To		ial — · · · · · · ·		ntt Chart Views	Access - Pres	Chrono™ Options	Project Summary Info	Chrono™ Settings, Ver. 51.1.048	
(i)	Resource Name	 Type Mork 	rial 🔻 Initials 🔻 Grou	up • Max. • Std. Rate • 100% \$0.00/h		st/Use ▼ Accrue ▼ Base \$0.00 Prorated Standard	Code Add New	Column 👻		
	Admin Spt	Work		100% \$0.00/h		\$0.00 Prorated Standard			et up the IMS for Costs, we must do the	
	Finance Spt	Work	F	100% \$0.00/h		\$0.00 Prorated Standard		10 30		
	Contracts Spt	Work	·	100% \$0.00/h		\$0.00 Prorated Standard		follo	wing:	
	Eng1	Work	E 3	100% \$0.00/h		\$0.00 Prorated Standard			0	
	Eng2	Work	E	100% \$0.00/h		\$0.00 Prorated Standard			Select "Resource" tab	
	Eng3	Work	E	100% \$0.00/h	r \$0.00/hr	\$0.00 Prorated Standard		2	Fill in the Information shown (note that you	
	Eng4	Work	E	100% \$0.00/h	r \$0.00/hr	\$0.00 Prorated Standard		۷.	· · ·	
	Eng5	Work	E	100% \$0.00/h	r \$0.00/hr	\$0.00 Prorated Standard			cannot allocate more than 100% of the Unit	s
	Eng6	Work	E	100% \$0.00/h	r \$0.00/hr	\$0.00 Prorated Standard				-
1	Proc	Work 2	Р	100% \$0.00/h	r \$0.00/hr	\$0.00 Prorated Standard			reliably with MS Project – therefore, if you	
!	Mfg1	Work	M	100% \$0.00/h	r \$0.00/hr	\$0.00 Prorated Standard			have several engineers, and others as in this	
1	Mfg2	Work	M	100% \$0.00/h		\$0.00 Prorated Standard			nuve several engineers, and onlers as in this	
ļ.	Mfg3	Work	M	100% \$0.00/h		\$0.00 Prorated Standard			example) it is best that you list the maximum	۱
5	Mfg4	Work	M	100% \$0.00/h		\$0.00 Prorated Standard				
5	Mfg5	Work	M	100% \$0.00/h		\$0.00 Prorated Standard			number that can be assigned to open tasks.	
7	Mfg6	Work	M	100% \$0.00/h		\$0.00 Prorated Standard		3	Note that each Resource Name and Initials	
B 9	Test1	Work	T	100% \$0.00/h		\$0.00 Prorated Standard				
9	Test2	Work	T	100% \$0.00/h		\$0.00 Prorated Standard			should be unique (we will change the default	lt
1	Test3 Test4	Work Work	T	100% \$0.00/h 100% \$0.00/h		\$0.00 Prorated Standard \$0.00 Prorated Standard			initials at the next step)	
2	QA	Work	Q	100% \$0.00/h 100% \$0.00/h		\$0.00 Prorated Standard			initials at the next step)	
3	ODC1	Work	0	100% \$0.00/h		\$0.00 Prorated Standard		4.	We are not finished yet (going to change the	е
4	ODC2	Work	0	100% \$0.00/h		\$0.00 Prorated Standard				
5	ODC3	Work	0	100% \$0.00/h		\$0.00 Prorated Standard			initials and provide "Std. Rate"), but we will	
6	ODC4	Work	0	100% \$0.00/h		\$0.00 Prorated Standard			Select "Resource" tab again to exit this view.	

Note that MS Project is "finicky" at times. Sometimes it does not react as expected when mistakes are made in this table or the one on then next chart. At times, if you run into a problem, it might be best to insert a new line and delete the old one – versus trying to fix the issue on that line. Note the ODC (Other Direct Costs) are averaged for duration of task to get to the total for the Control Account.

Display	/ Probability Chart 🦉	Project Progress Up	odate 🗸 Nominal Du	urations 🛛 Medium Risk Confidence @ 50% 引 Align Commit	Resource Commit Date 1/3/25 5:00 PM
Run Si	mulation 👷	Set Project Baseline	s Goal Confide	ence @ 70% Commit Confidence @ 5% 🔀 View Entire Project	Distribution-Triangle % Confidence at Commit Date 5%
Chrono	™ Wizard 😽	Validate Project	High Risk Co	onfidence @ 30% 🧮 Select Baseline - No baselines 🛛 🛛 Merge Bias View	Metrics Nominal Confidence 5%
	Chrono™ To	ols	-	Chrono™ Gantt Chart Views	Chrono™ Options Project Summary Info Chrono™ Settings, Ver. S1.1.048
(Resource Name	Type 🔻 Mate	erial 🔻 Initials 🔻 Gro	oup ▼ Max. ▼ Std. Rate ▼ Ovt. ▼ Cost/Use ▼ Accrue ▼ Base	Code • Add New Column •
	PM	Work	PM	100% \$75.00/hr \$0.00/hr \$0.00 Prorated Standard	
	Admin Spt	Work	A	100% \$25.00/hr \$0.00/hr \$0.00 Prorated Standard	To set up the IMS for Costs, we must do the
	Finance Spt	Work	F	100% \$40.00/hr \$0.00/hr \$0.00 Prorated Standard	
	Contracts Spt	Work	С	100% \$75.00/hr \$0.00/hr \$0.00 Prorated Standard	following:
_	Eng1	Work	E1	100% \$55.00/hr \$0.00/hr \$0.00 Prorated Standard	1. Note that each Resource Name and Initials shou
_	Eng2	Work	E2	100% \$55.00/hr \$0.00/hr \$0.00 Prorated Standard	
	Eng3	Work	E3	100% \$55.00/hr \$0.00/hr \$0.00 Prorated Standard	be unique (we need to change initials as shown
	Eng4	Work	E4	100% \$55.00/hr \$0.00/hr \$0.00 Prorated Standard	
	Eng5	Work	E5	100% \$55.00/hr \$0.00/hr \$0.00 Prorated Standard	2. The last 4 initials are for ODC (Other Direct Co
)	Eng6	Work	E6	100% \$55.00/hr \$0.00/hr \$0.00 Prorated Standard	
	Proc	Work	P	100% \$30.00/hr \$0.00/hr 3 \$0.00 Prorated Standard	for tasks with those expenses – their rates are
2	Mfg1	Work	M1	100% \$35.00/hr \$0.00/hr \$0.00 Prorated Standard	determined by the total amount divided by
3	Mfg2	Work	M2	100% \$35.00/hr \$0.00/hr \$0.00 Prorated Standard	
5	Mfg3	Work	M3	100% \$35.00/hr \$0.00/hr \$0.00 Prorated Standard	number of planned hours for that task so that the
5	Mfg4	Work	M4	100% \$35.00/hr \$0.00/hr \$0.00 Prorated Standard	
7	Mfg5	Work	M5	100% \$35.00/hr \$0.00/hr \$0.00 Prorated Standard	can vary over time.
7 B	Mfg6 Test1	Work Work	M6 T1	100% \$35.00/hr \$0.00/hr \$0.00 Prorated Standard 100% \$45.00/hr \$0.00/hr \$0.00 Prorated Standard	3. The hourly work rates should be fully burdened
)	Test2	Work	T2	100% \$45.00/hr \$0.00/hr \$0.00 Prorated Standard 100% \$45.00/hr \$0.00/hr \$0.00 Prorated Standard	
)	Test3	Work	T3	100% \$45.00/hr \$0.00/hr \$0.00 Prorated Standard	based on Company process. That way you hav
1	Test4	Work	T4	100% \$45.00/hr \$0.00/hr \$0.00 Prorated Standard	
2	QA	Work 2	Q	100% \$35.00/hr \$0.00/hr \$0.00 Protated Standard	them rolled up separately.
3	ODC1	Work		100% \$100.00/hr \$0.00/hr \$0.00 Prorated Standard	4. We are not finished yet (going to provide "Std
1	ODC2	Work	02	100% \$50.00/hr \$0.00/hr \$0.00 Prorated Standard	4. We are not missing yet (going to provide Sta
5	ODC3	Work		100% \$20.00/hr \$0.00/hr \$0.00 Prorated Standard	Rate" in another view, so we will now Select
6	ODC4	Work	04	100% \$25.00/hr \$0.00/hr \$0.00 Prorated Standard	
-					"Resource" tab again to exit this view).

Note that MS Project is "finicky" at times. Sometimes it does not react as expected when mistakes are made in this table or the one on then next chart. At times, if you run into a problem, it might be best to insert a new line and delete the old one – versus trying to fix the issue on that line. Note the ODC (Other Direct Costs) are averaged for duration of task to get to the total for the Control Account.

Gridlines	s Layo		Insert 🐻 Column Settings ~ Format	Slack	Task Baseline Slippape								Outline Number Project Summary Tasks Summary Tasks	Drawing
Format			Columns	Bar St	tyles					Gantt Chart Sty	rle		2 Show/Hide	Drawings
i Tas	sk	WRS -	Task Name	- Duration	▼ Start ▼	Finish	Predecessors	✓ Successors			orst Case ration 🔻	Resource Names	✓ Fixed Cost	
	ode 🕈	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM	Fieuecessors	2,4,9	0 days	0 days	0 days	Resource names	\$0.00	\$0.00
		2	LOE Project Tasks	65 days?	10/7/24 8:00 AM	1/3/25 5:00 PM	1	13	0 days	0 days	0 days		\$0.00	\$0.00
-		3	Summary	65 days	10/7/24 8:00 AM	1/3/25 5:00 PM	-		0 days	0 days	0 days		\$0.00	\$0.00
		3.1	Al System Design	10 days	10/7/24 8:00 AM	10/18/24 5:00 PM	1	5,7	0 days	8 days	12 days		\$0.00	\$0.00
		3.2	A2 Mechanical Design	7 days		10/29/24 5:00 PM		6	0 days	6 days	10 days		\$0.00	\$0.00
		3.3	A3 Procure Mech. Materials	24 days		12/2/24 5:00 PM		11	0 days	22 days	30 days		\$0.00	\$0.00
-		3.4	B1 Electrical and SW Design	9 days	10/21/24 8:00 AM	10/31/24 5:00 PM	4	8	2 days	8 days	14 days		\$0.00	\$0.00
		3.5	B2 Procure Elect. Materials	20 days	11/1/24 8:00 AM	11/28/24 5:00 PM	7	11	2 days	18 days	25 days		\$0.00	\$0.00
		3.6	C1 Manufacturing Design	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10	8 days	20 days	30 days		\$0.00	\$0.00
		3.7	C2 Procure Fab. Equipment	11 days	11/6/24 8:00 AM	11/20/24 5:00 PM	9	11	8 days	10 days	15 days		\$0.00	\$0.00
		3.8	D1 Fabrication	14 days	12/3/24 8:00 AM	12/20/24 5:00 PM	8,10,6	12	0 days	12 days	18 days		\$0.00	\$0.00
		3.9	D2 Integration and Test	10 days	12/23/24 8:00 AM	1/3/25 5:00 PM	11	13	0 days	8 days	15 days		\$0.00	\$0.00
		4	Confidence Milestone	0 days	1/3/25 5:00 PM	1/3/25 5:00 PM	2,12	14	0 days	0 days	0 days		\$0.00	\$0.00
-		5	Commitment Milestone	0 days	1/3/25 5:00 PM	1/3/25 5:00 PM	13		0 days	0 days	0 days		\$0.00	\$0.00
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- rename this file, you can Save_As a different name.
- 3. Select "ChronoTM" to return to the IMS

Run Simulation Chrono™ Wizard Chr		Confidence @ 70		Confidence @ 50%	🚽 Align Commit	Resource	Commit Date 1/3/25 5:00 PM	□ E Defaults		
	Eo Validate Project Higl		% Commit Confi	idence @ 5%	🔀 View Entire Projec	t Distribution-Triangle	% Confidence at Commit Date	5% 燥? Contact and Help		
Chi		n Risk Confidence	🛛 30% 🗮 Select Baseline	- No baselines	Merge Bias View	E Metrics	Nominal Confidence 5%			
	rono™ Tools		 Chrono™ Gantt Cł		5	Chrono™ Options	Project Summary Info	Chrono™ Settings, Ver. S1.1.048		
(i) Task Mode ▼ WB	S 👻 Task Name	- Duration	▼ Start ▼	Finish	Predecessors 👻		Best Case Worst Case Duration - Res	ource Names	▼ Fixed Cost	✓ Cost
□ ○	4 Project2	65 days?	10/7/24 8:00 AM			0 days?	0 days 0 days		\$0.00	\$0.00
🗧 📌 1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9 0 days	0 days 0 days		\$0.00	\$0.00
2	LOE Project Tasks	65 days?	10/7/24 8:00 AM	1/3/25 5:00 PM	1	13 0 days?	0 days 0 days	Y	\$0.00	\$0.00
l III - S - S - S - S - S - S - S - S - S	✓ Summary	65 days	10/7/24 8:00 AM	1/3/25 5:00 PM		0 days	0 days 0 days		\$0.00	\$0.00
⇒ 3.1	A1 System Design	10 days	10/7/24 8:00 AM	10/18/24 5:00 PM	1	5,7 0 days	8 days 12 days	1	\$0.00	\$0.00
→ 3.2	A2 Mechanical Design	7 days	10/21/24 8:00 AM	10/29/24 5:00 PM	4	6 0 days	6 days 10 days		\$0.00	\$0.00
- □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	A3 Procure Meth. Materials	24 days	10/30/24 8:00 AM	12/2/24 5:00 PM	5	11 0 days	22 days 30 days		\$0.00	\$0.00
- 3.4	B1 Electrical and SW Design	9 days	10/21/24 8:00 AM	10/31/24 5:00 PM	4	8 2 days	8 days 14 days		\$0.00	\$0.00
	B2 Procure Elect. Materials	20 days	11/1/24 8:00 AM	11/28/24 5:00 PM	7	11 2 days	18 days 25 days		\$0.00	\$0.00
⇒ 3.6	5 5	22 days		11/5/24 5:00 PM		10 8 days	20 days 30 days		\$0.00	\$0.00
		11 days		11/20/24 5:00 PM		11 8 days	10 days 15 days		\$0.00	\$0.00
⇒ 3.8		14 days		12/20/24 5:00 PM		12 0 days	12 days 18 days		\$0.00	\$0.00
- 3.9	J	10 days		1/3/25 5:00 PM		13 0 days	8 days 15 days		\$0.00	\$0.00
→ 4	Confidence Milestone	0 days		1/3/25 5:00 PM		14 0 days	0 days 0 days		\$0.00	\$0.00
🖣 📌 5	Commitment Milestone	0 days	1/3/25 5:00 PM	1/3/25 5:00 PM	13	0 days	0 days 0 days		\$0.00	\$0.00

Displa	ay Probabi	lity Chart	🛱 Project Progress Update	 Nominal Durations 	Medium Risk	Confidence @ 50%	引 Align Commit	Resource	:	Commit Date	1/3/25 5:00 PM	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □			
Run S	imulation		Reg Set Project Baselines	Goal Confidence @ 709	6 Commit Cor	fidence @ 5%	🔀 View Entire Project	Distributi	ion-Triangle	% Confidenc	e at Commit Date 5%				
Chron	o™ Wizar	ł	Nalidate Project	High Risk Confidence (🤉 30% 🗮 Select Baselir	ne - No baselines	Merge Bias View	₩ Metrics		Nominal Cor	fidence 5%	1.7+ 1.8+ Info			
		Chrono	M Tools	-	Chrono™ Gantt	Chart Views	-	Chrono™	Options	Projec	t Summary Info	Chrono™ Settings, Ver. S1.1.048			
6	Task Mode	• WBS •	Task Name	- Duration	- Start -	Finish	→ Predecessors → S				/orst Case uration → Resour	ce Names	.	Fixed Cost	✓ Cost
	-	0	Project2	65 days?	10/7/24 8:00 AM	1/3/25 5:00 PM			0 days?	0 days	0 days			\$0.00	\$0.00
-	*	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM	2,	,4,9	0 days	0 days	0 days			\$0.00	\$0.00
	-	2	LOE Project Tasks	65 days?	10/7/24 8:00 AM	1/3/25 5:00 PM	1 13	3	0 days?	0 days	0 days			\$0.00	\$0.00
	-	3		65 days	10/7/24 8:00 AM	1/3/25 5:00 PM			0 days	0 days	0 days			\$0.00	\$0.00
		3.1	A1 System Design	10 days	10/7/24 8:00 AM	10/18/24 5:00 PM	1 5.	.7	0 davs	8 davs	12 davs			\$0.00	\$0.00
		3.2	A2 Mechanical Design	n 7 days	10/21/24 8:00 AM	Task Information								\$0.00	\$0.00
		3.3	A3 Procure Mech. Mo	iterials 24 days	10/30/24 8:00 AM	General Predecesso	ors Resources Advance	ed Notes Custo	om Fields					\$0.00	\$0.00
		3.4	B1 Electrical and SW	Design 9 days	10/21/24 8:00 AM	No. 105 Project	Teste			Sumble of the	ays: 🜲 🔽 <u>E</u> stimated			\$0.00	\$0.00
	→	3.5	B2 Procure Elect. Mat	erials 20 days	11/1/24 8:00 AM	Name: LOE Project Resources:	Tasks		<u>I</u>	uration: 65 d	ays: 👻 🔄 Estimated			\$0.00	\$0.00
	- ⇒	3.6	C1 Manufacturing De	sign 22 days	10/7/24 8:00 AM	Resource Nam	. · · · · · · · · · · · · · · · · · · ·	ignment Own	ner Units	Co	et			\$0.00	\$0.00
	- ⇒	3.7	C2 Procure Fab. Equi	oment 11 days	11/6/24 8:00 AM				ici onici		<u> </u>			\$0.00	\$0.00
	→	3.8	D1 Fabrication	14 days	12/3/24 8:00 AM	Admin Spt								\$0.00	\$0.00
	→	3.9	D2 Integration and Te	st 10 days	12/23/24 8:00 AM	Contracts Spt Eng1								\$0.00	\$0.00
	→	4	Confidence Milestone	0 days	1/3/25 5:00 PM	Eng2								\$0.00	\$0.00
	*	5	Commitment Milestone	e 0 days	1/3/25 5:00 PM	Eng3 Eng4								\$0.00	\$0.00
						Eng5				İ					
						Eng6 Finance Spt									
						Mfg1									
						Mfg2			I	I	•				
						Mfg4									
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						ODC1				0	Cancel				
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						PM Proc		-	1. Cl	ick on t	the "I OF	Project Tasks" tas	k name and ae	t the To	ask
						QA						•	k name ana ge		GOR
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						Test4		4	2. Cl	ICK ON	me first R	esource Name ce	ii, then click the	arop-	aown
										_		he above informa			

File	Chrono™	Task	Resource Report Project	View Help	Gantt Chart Forma	at 🔎 Tell m	e what you want	to do											D	×
🔲 Dis	play Proba	bility Chart	Project Progress Update	🗸 Nominal Du	urations	Medium Risk Confid	ence @ 50% 📑 🖊	Align Commit	Resource		Commit Date 7/31/2020	5:00:00 PM	⊐lE Defau	lts	📑 *C	hrono Disable	≡≡ *Summary	₩Secure		
🗃 Ru	n Simulatio	n	Set Project Baselines	Goal Confide	ence @ 70%	Commit Confidence	@ 5% 🔀 N	/iew Entire Projec	t 📄 Distribution-Tria	iangle	% Confidence at Commit	Date 5%	Conta	ct and Help	H *S	ave Code	*Display Ss	Pdf [👔 *Tasks		
🐼 Chr	ono™ Wiza	ird	Validate Project	High Risk Co	onfidence @ 30% 📃 :	Select Baseline - No	baselines M	Verge Bias View	E Metrics		Nominal Confidence 5%		1.7 Info		₩ V	iew Code	*Display Fs	Pdf		
		Chron	o™ Tools	_	Ch	rono™ Gantt Chart Vie	NS	_	Chrono™ Option	ns	Project Summary In	fo	Chrono™ Setting	gs, Ver. S1.1.04	6D	*Code Manager	nent - Warning De	bug Mode		\sim
	Task				C L								Best	Worst	Total	%	F. 16 .		Remaining	
0	Mode	• WB2 •	Task Name 4 Golden_Triangle_46_PreB	→ Duration	Start + 5/4/20 8:00 AM	Finish	 Predecessors 	Successors +	Resource Names						Slack 0 days	 Complete 0% 	 Fixed Cost \$0.00 	\$420,580.00	 Cost \$420,580.00 	
1	-→ ->	1	Start Milestone	0 days	5/4/20 8:00 AM		IVI	2,4,9					0 days	0 days	0 days	0%	\$0.00	\$420,580.00	\$0.00	
2		2	LOE Project Tasks	65 days	5/4/20 8:00 AM		1		PM[50%],Admin Spt[50%	%1.Finance	Spt[25%].Contracts Sp	t[10%].OE		0 days	0 days	0%	\$0.00	\$87,100.00	\$87,100.00	
3		3	 Summary 	65 days	5/4/20 8:00 AM			10	m[bow], and opt[bow	in indirec	spr[2570];contracts sp	([10/0])00	0 days	0 days	0 days	0%	\$0.00	\$333,480.00	\$333,480.00	
4		3.1	A1 System Design	10 days	5/4/20 8:00 AM			5,7 8	Eng1,Eng2,Eng3,Eng4,Mf	fg1[25%].P	roc[25%]		8 days	12 days		0%	\$0.00	\$18,900.00	\$18,900.00	
5		3.2	A2 Mechanical Design	7 days	5/18/20 8:00 AM				0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0	J		×	6 days	10 days		0%	\$0.00	\$8,610.00	\$8,610.00	
6		3.3	A3 Procure Mech. Materi					Resources Advance	ed Notes Custom Fields				22 days	30 days		0%		0 \$120,000.00	\$120,000.00	
7		3.4	B1 Electrical and SW Desi	gn 9 days	5/18/20 8:00 AM	5/28/20 5:001							8 days	14 days		0%	\$0.00	\$12,150.00	\$12,150.00	
8		3.5	B2 Procure Elect. Materia	als 20 days	5/29/20 8:00 AM	6/25/20 5:001	ame: LOE Project Tas	iks		Duratio	on: 65 days 🛓 🗋 Estima	ated	18 days	25 days	2 days	0%	\$75,000.00	\$75,000.00	\$75,000.00	
9	-	3.6	C1 Manufacturing Design	22 days	5/4/20 8:00 AM	6/2/20 5:00 PI	Resource Name		Assignment Owner Ur	nits	Cost	_	20 days	30 days	8 days	0%	\$0.00	\$21,692.00	\$21,692.00	
10	-	3.7	C2 Procure Fab. Equipme	nt 11 days	6/3/20 8:00 AM	6/17/20 5:00	PM		50	•	\$19,500.00	1	10 days	15 days	8 days	0%	\$25,000.00	\$25,000.00	\$25,000.00	
11	□ →	3.8	D1 Fabrication	14 days	6/30/20 8:00 AM	7/17/20 5:00	Admin Spt		50		\$6,500.00	ODC	3 12 days	18 days	0 days	0%	\$0.00	\$24,528.00	\$24,528.00	
12		3.9	D2 Integration and Test	10 days	7/20/20 8:00 AM	7/31/20 5:00 1 -	Finance Spt Contracts Spt		25		\$5,200.00 \$3.900.00		8 days	15 days	0 days	0%	\$0.00	\$27,600.00	\$27,600.00	
13		4	Confidence Milestone	0 days	7/31/20 5:00 PM	7/31/20 5:00	ODC1			096	\$52,000.00		0 days	0 days	0 days	0%	\$0.00	\$0.00	\$0.00	
14	*	5	Commitment Milestone	0 days	7/31/20 5:00 PM	7/31/20 5:00				A			0 days	0 days	0 days	0%	\$0.00	\$0.00	\$0.00	
	No	otes:	L . "D		,					r			Note	-		م والح ال	D	a a sua al D		
	١.	Yo	u only enter "Re	source N	vames"								Atter	you s	elect	all the	Resourc	es and P	ercentag	jes
		(us	ing the drop-do	wn seled	ctions), and		1				Þ		reme	mber	the D	uration	and se	lect OK.		
		•	•											1		B 11				
		Ur	its (100% or les	is, as sho	own)		Help				OK Cance		LOOK	at the	e task	Duratio	on, and	make su	re that it	t he
	2.		so, sometimes M	S Project	t will adius	:+							not c	hanae	d. If	it does	re-ent	er the du	ration in	th
	2.		•	•	•						Т			•						
		the	e Task Duration -	– take no	ote ot the						2		wind	ow po	ointed	to by t	ne #2 c	arrow.		
		va	lue. If it change	s simply	ro-onter						3		Gote	o the i	next c	hart to	see the	remainir	na entrie	s ta
			-															. chiann	.9 cinic	5.0
		int	o this box.										key i	n.						

Dis	olay Probabilit	y Chart	🤌 Project Progress Update 🛛 🗸 No	ominal Duratior	ns 🏴 Med	lium Risk Confidence @	50% 녁 Align	Commit	Reso	urce	Commit Date 1/3/25 5:00 PM	□						
Rur	Simulation		Age Set Project Baselines 📮 Go	al Confidence	@ 70% 🏴 Corr	nmit Confidence @ 5%	🔀 View	Entire Project	Distri	bution-Triangle	🏴 % Confidence at Commit Date 5%		and Help					
Chro	ono™ Wizard		😽 Validate Project 🛛 🏴 Hi	gh Risk Confide	ence @ 30% 🛛 🗮 Select	t Baseline - No baseline	: Merge	e Bias View	Eŏ Metri	cs	Nominal Confidence 5%	1.7 Info						
		Chrono	™ Tools		Chrono™	Gantt Chart Views			Chro	no™ Options	Project Summary Info	Chrono™ Settings	, Ver. S1.1.048					
	Task								Total						Qtr 4, 2024	e.		
(U Mode 🗸	WBS 🚽	Task Name 👻	Duration -	, Start 👻	Finish 👻	Predecessors 👻	Successors 👻	Slack 👻	Resource Names		•	Fixed Cost	✓ Cost	Oct	Nov	Dec	:
		0		65 days	10/7/24 8:00 AM	1/3/25 5:00 PM			0 days				\$0.00	\$420,580.00	1			
	*	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	0 days				\$0.00	\$0.00	l0/7			
2	□ →	2	LOE Project Tasks	65 days	10/7/24 8:00 AM	1/3/25 5:00 PM	1	13	0 days	PM[50%],Admir	n Spt[50%],Finance Spt[25%],Contrac	ts Spt[10%],ODC1	\$0.00	\$87,100.00				
3	□ →	3	✓ Summary	65 days	10/7/24 8:00 AM	1/3/25 5:00 PM			0 days				\$0.00	\$333,480.00	Ĥ			
	□ →	3.1	A1 System Design	10 days	10/7/24 8:00 AM	10/18/24 5:00 PM	1	5,7	0 days	Eng1,Eng2,Eng3,	Eng4,Mfg1[25%],Proc[25%]		\$0.00	\$18,900.00	_ 0	/%		
6	□	3.2	A2 Mechanical Design	7 days	10/21/24 8:00 AM	10/29/24 5:00 PM	4	6	0 days	Eng1,Eng2,Eng4	[50%],Mfg1[25%],Proc[25%]		\$0.00	\$8,610.00	1	0%		
	-	3.3	A3 Procure Mech. Materials	24 days	10/30/24 8:00 AM	12/2/24 5:00 PM	5	11	0 days				\$120,000.00	\$120,000.00		*	0%	
'	□ →	3.4	B1 Electrical and SW Design	9 days	10/21/24 8:00 AM	10/31/24 5:00 PM	4	8	2 days	Eng3,Eng5,Mfg1	[25%],ODC2		\$0.00	\$12,150.00	*	0%		
		3.5	B2 Procure Elect. Materials	20 days	11/1/24 8:00 AM	11/28/24 5:00 PM	7	11	2 days				\$75,000.00	\$75,000.00			—_0 %	
	□ →	3.6	C1 Manufacturing Design	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10	8 days	Eng6[25%],Mfg4	I,Mfg5,Mfg6,Test1[10%]		\$0.00	\$21,692.00	+	0%		
)	□	3.7	C2 Procure Fab. Equipment	11 days	11/6/24 8:00 AM	11/20/24 5:00 PM	9	11	8 days				\$25,000.00	\$25,000.00		- -	0% -	
1		3.8	D1 Fabrication	14 days	12/3/24 8:00 AM	12/20/24 5:00 PM	8,10,6	12	0 days	Mfg3,Mfg4,Mfg5	5,QA[10%],Test1[15%],Eng1[25%],Mf	fg2,Mfg6,ODC3	\$0.00	\$24,528.00			*	0%
2	□ →	3.9	D2 Integration and Test	10 days	12/23/24 8:00 AM	1/3/25 5:00 PM	11	13	0 days	Test1,Test2,Test	t3,Test4[50%],QA[50%],Eng1,Eng2,M	fg1,ODC4	\$0.00	\$27,600.00				+
3		4	Confidence Milestone	0 days	1/3/25 5:00 PM	1/3/25 5:00 PM	2,12	14	0 days			_	\$0.00	\$0.00				
4	*	5	Commitment Milestone	0 days	1/3/25 5:00 PM	1/3/25 5:00 PM	13		0 days				\$0.00	\$0.00				
											Ý							

Now we go back to the normal view and check out the information just entered.

- 1. Insert "Resource Names", "Fixed Cost" and "Cost" columns after the "Predecessors" column as shown.
- 2. If you did not already add the Fixed Costs, add them to Tasks 6, 8, and 10 as shown.
- 3. Check the "Cost" column amounts they should be as shown on this chart if not exactly the same, check for errors and fix.

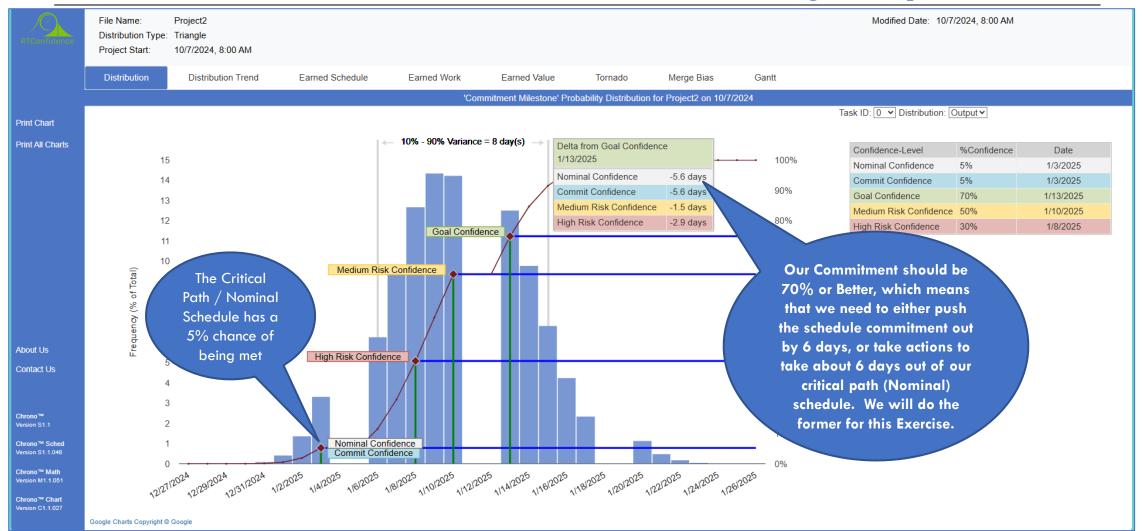
4. Notice that Total Project Costs (w/o Management Reserve or Undistributed Budget and Profit) will be shown in the "0" row (i.e., the "Project Summary Task" row – that is given the Project File Name).

Set-up for Adding Resources & Costs C RTConfidence Complete – Now for Risk Adjustments

Displa	ay Probabil	ity Chart	🗚 Project Progress Update	🗸 Nominal Durati	ns 🏴 Mediu	m Risk Confidence @ 5	0% ᆗ Align C	Commit	Resource	•	Commit Date 1/3/25	5:00 PM	⊐≣ Defaults						
Run S	imulation		🖉 Set Project Baselines	📮 Goal Confidenc	@ 70% 🏴 Comn	nit Confidence @ 5%	🔀 View Er	ntire Project	Distributi	ion-Triangle	% Confidence at	Commit Date 5%	ג? Contact a	nd Help					
Chron	o™ Wizard		😽 Validate Project	P High Risk Confi	lence @ 30% 🛛 🗮 Select E	aseline - No baselines	Merge	Bias View	₩ Field Metrics		Nominal Confidence	≥ 5%	17* Info						
		Chror	no™ Tools			antt Chart Views	,		Chrono™	Options	Project Sum	mary Info	Chrono™ Settings	Ver. 51.1.048	3				
6	Task Mode	WBS		- Duration	✓ Start	Finish -	Predecessors 🗸	Successors	Total Slack -	Resource Name	es 👻 Fixed Cost	✓ Cost ✓		Best Case Duration	Worst Case	Qtr 4, 2024 Oct	No	/ Dec	Qtr 1
		0	▲ Project2	65 days	10/7/24 8:00 AM	1/3/25 5:00 PM			0 days		\$0.00	\$420,580.00	3,941.6 hrs	0 davs	0 davs	ġ			1 09
	*	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	0 days		\$0.00	\$0.00		0 days	0 days	🗄 10/7			
	□ →	2	LOE Project Tasks	65 days	10/7/24 8:00 AM	1/3/25 5:00 PM	1	13	0 days	PM[50%],Adm	nin { \$0.00	\$87,100.00	1,222 hrs	0 days	0 days	1			0%
	-	3	▲ Summary	65 days	10/7/24 8:00 AM	1/3/25 5:00 PM			0 days		\$0.00	\$333,480.00	2,719.6 hrs	0 days	0 days	- i i			- 0
	-	3.1	A1 System Design	10 days	10/7/24 8:00 AM	10/18/24 5:00 PM	1	5,7	0 days	Eng1,Eng2,Eng	3,E \$0.00	\$18,900.00	360 hrs	8 days	12 days	0%			
	-	3.2	A2 Mechanical Desig	gn 7 days	10/21/24 8:00 AM	10/29/24 5:00 PM	4	6	0 days	Eng1,Eng2,Eng	g4[5 \$0.00	\$8,610.00	168 hrs	6 days	10 days	1 🎽 🏲	0%		
	□ →	3.3	A3 Procure Mech. N	Naterials 24 days	10/30/24 8:00 AM	12/2/24 5:00 PM	5	11	0 days		\$120,000.00	\$120,000.00	0 hrs	22 days	30 days		*	0%	
	-	3.4	B1 Electrical and SV	V Design 9 days	10/21/24 8:00 AM	10/31/24 5:00 PM	4	8	2 days	Eng3,Eng5,Mf	g1[2\$0.00	\$12,150.00	234 hrs	8 days	14 days		0%		
	□ →	3.5	B2 Procure Elect. Me	aterials 20 days	11/1/24 8:00 AM	11/28/24 5:00 PM	7	11	2 days		\$75,000.00	\$75,000.00	0 hrs	18 days	25 days		*	-0%	
	□ →	3.6	C1 Manufacturing D	esign 22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10	8 days	Eng6[25%],Mf	g4,I \$0.00	\$21,692.00	589.6 hrs	20 days	30 days	*	0%		
		3.7	C2 Procure Fab. Equ	vipment 11 days	11/6/24 8:00 AM	11/20/24 5:00 PM	9	11	8 days	;	\$25,000.00	\$25,000.00	0 hrs	10 days	15 days			- 0% -	
		3.8	D1 Fabrication	14 days	12/3/24 8:00 AM	12/20/24 5:00 PM	8,10,6	12	0 days	Mfg3,Mfg4,M	fg5, \$0.00	\$24,528.00	728 hrs	12 days	18 days			0	%
	→	3.9	D2 Integration and 1	lest 10 days	12/23/24 8:00 AM	1/3/25 5:00 PM	11	13	0 days	Test1,Test2,Te	est3 \$0.00	\$27,600.00	640 hrs	8 days	15 days			× •	0
		4	Confidence Milestone	0 days	1/3/25 5:00 PM	1/3/25 5:00 PM	2,12	14	0 days		\$0.00	\$0.00	0 hrs	0 days	0 days				1
٦.	*	5	Commitment Milestor	ne 0 days	1/3/25 5:00 PM	1/3/25 5:00 PM	13		0 days		\$0.00	\$0.00	0 hrs	0 days	0 days				

Run the Simulation!

SRA Simulation Output Display **Result Shows Work to do Before Setting Project Baseline**



Set-up for Adding Resources & Costs C RTConfidence Complete – Now Ready for Risk Adjustments

D: 1			- ⁹	10	D			F	T .			5 5 00 PM	Default:					
	-	ty Chart		nal Durations		n Risk Confidence @ 50			Resource		nmit Date 1/13/25							
	imulation			Confidence @ 7		t Confidence @ 5%	🔀 View En		Distributio	5		Commit Date 5%	A? Contac	t and Help				
hro	o™ Wizard		E Validate Project High	Risk Confidenc		iseline - No baselines	Merge E	Bias View	👸 Metrics			/13/2025, 5.6 Work	-					
1	_	Chrono	Tools		Chrono™ Ga	antt Chart Views			Chrono™	Options	Project	t Summary Info	Chrono™ Settin	gs, Ver. S1.1.048				
6	Task Mode 🔻	WBS 👻	Task Name 🗸	Duration 👻	Start 👻	Finish 👻	Predecessors 👻	Successors 👻	Total Slack 💌	Resource Names 🗸	Fixed Cost		Work - Best Case	Worst Case ■ Duration		Nov	Dec	Qtr 1, 2 Ja
		0	Project2	71 days	10/7/24 8:00 AM				0 days		\$0.00	\$440,158.08	4,333 hrs 0 days	0 days				i
	*	1	Start Milestone	0 days		10/7/24 8:00 AM		2,4,9	0.41 days		\$0.00	\$0.00	0 hrs 0 days	0 days	10/7			
		2	LOE Project Tasks	, 70.59 days	10/7/24 8:00 AM	1/13/25 1:43 PM	1	13	0.41 days	PM[50%],Admin	\$0.00	\$94,590.04	1,327.08 hrs 0 days	0 days		_		
		3	✓ Summary	70.59 days	10/7/24 8:00 AM	1/13/25 1:43 PM			0.41 days		\$0.00	\$345,568.04	3,005.92 hrs 0 days	0 days				
	-	3.1	A1 System Design	10.45 days	10/7/24 8:00 AM	10/21/24 11:36 AM	1	5,7	0.41 days	Eng1,Eng2,Eng3,E	\$0.00	\$19,750.50	376.2 hrs 8 days	12 days	- L	0%		
	-	3.2	A2 Mechanical Design	7.83 days	10/21/24 11:36 AM	10/31/24 10:14 AM	4	6	0.41 days	Eng1,Eng2,Eng4[5	\$0.00	\$9,630.90	187.92 hrs 6 days	10 days		0%		
1	-	3.3	A3 Procure Mech. Materials	25.78 days	10/31/24 10:14 AM	12/6/24 8:29 AM	5	11FS+0.43 day	0.41 days		\$120,000.00	\$120,000.00	0 hrs 22 days	30 days		+	0%	
	-	3.4	B1 Electrical and SW Design	10.66 days	10/21/24 11:36 AM	11/5/24 8:53 AM	4	8	2.04 days	Eng3,Eng5,Mfg1[2	\$0.00	\$14,391.00	277.16 hrs 8 days	14 days	- I I I I	0%		
	-	3.5	B2 Procure Elect. Materials	21.32 days	11/5/24 8:53 AM	12/4/24 11:26 AM	7	11FS+0.43 day	2.04 days		\$75,000.00	\$75,000.00	0 hrs 18 days	25 days		*	0%	
	-	3.6	C1 Manufacturing Design	25.1 days	10/7/24 8:00 AM	11/11/24 8:48 AM	1	10	7.25 days	Eng6[25%],Mfg4,I	\$0.00	\$24,748.60	672.68 hrs 20 days	30 days	· ·	0%		
	-	3.7	C2 Procure Fab. Equipment	12.12 days	11/11/24 8:48 AM	11/27/24 9:46 AM	9	11FS+0.43 day	7.25 days		\$25,000.00	\$25,000.00	0 hrs 10 days	15 days		*	0 %	
	-	3.8	D1 Fabrication	14.87 days	12/6/24 11:55 AM	12/27/24 10:53 AM	8FS+0.43 days,	, 12	0.41 days	Mfg3,Mfg4,Mfg5,	\$0.00	\$26,052.24	773.24 hrs 12 days	18 days			*	0%
	□ →	3.9	D2 Integration and Test	11.23 days	12/27/24 10:53 AM	1/13/25 1:43 PM	11	13	0.41 days	Test1,Test2,Test3	\$0.00	\$30,994.80	718.72 hrs 8 days	15 days			1	*
	□ →	4	Confidence Milestone	0 days	1/13/25 1:43 PM	1/13/25 1:43 PM	2,12	14	0.41 days		\$0.00	\$0.00	0 hrs 0 days	0 days				4
	*	5	Commitment Milestone	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	13		0 days		\$0.00	\$0.00	0 hrs 0 days	0 days				4

- 1. Go to the "Goal Confidence @ 70%" Gantt chart and then
- 2. "Align Commit" to the End of the Day.

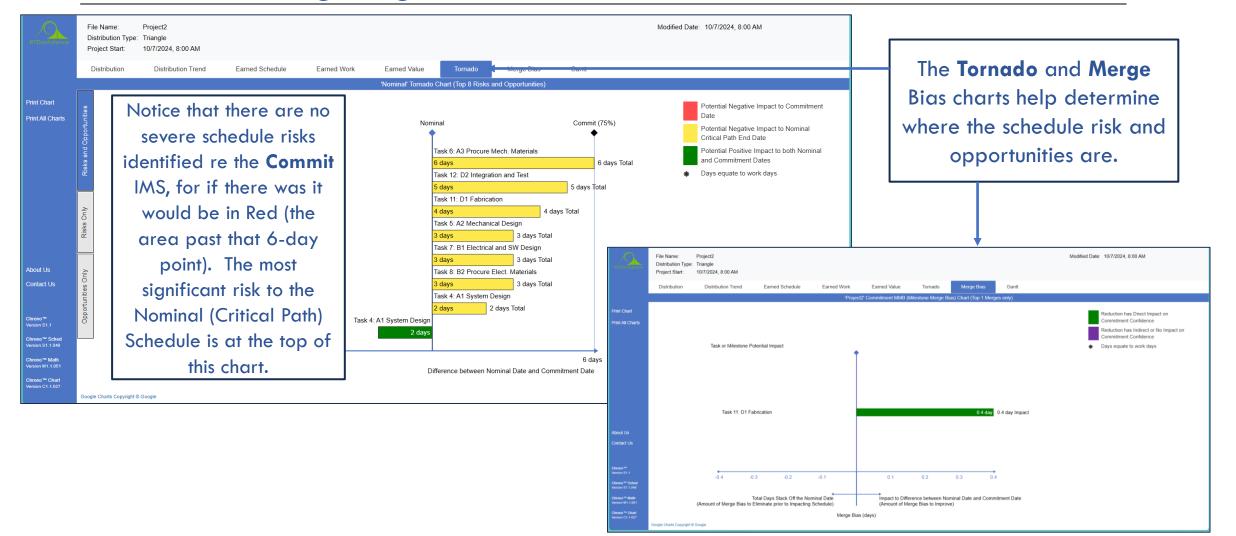
(This enables us to use the Goal Confidence Gantt chart as the Baseline for the Commitment Schedule.)

3. "Run Simulation" and see the Results on the next chart.

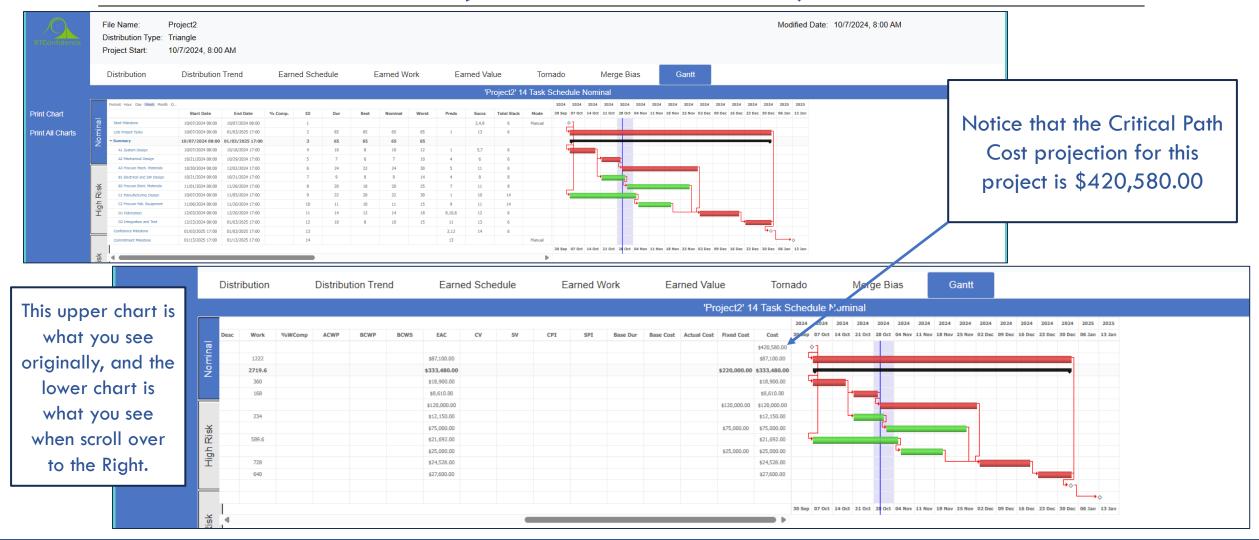
SRA Simulation Output Display CRTConfidence Result of Aligning the Goal & Commitment Schedules



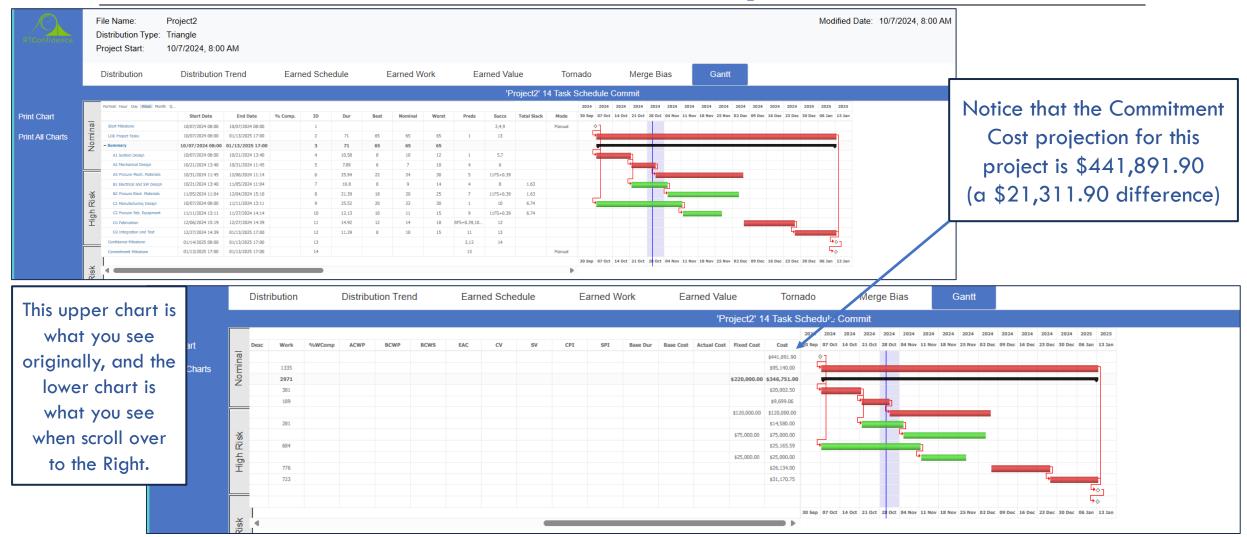
SRA Simulation Output Display CRTConfidence Result of Aligning the Goal and Commitment Schedules



SRA Simulation Output Display Confidence Goal The Nominal (i.e., Critical Path) Schedule & Costs



SRA Simulation Output Display Created Costs





EVM (Earned Value Management) Training Performing EVM Baselining and Updating with ChronoTM

CHRONO[™] TRAINING REFERENCE GUIDE

Baselines and Updates **Establishing the EVM Project Baselines**



If you haven't already done so - SAVE then SAVE_AS New File Name

	-	lity Char	t 🤌 Project Progress Update	✓ Nom	inal Durati	ons Med	lium Risk Confidence @	50% 녁 Align	Commit	🖽 Resou			nit Date 1/13/2	5 5:00 PM	DE Defa							
Run	Simulation		🖉 Set Project Baselines	Goal (Confidence	@ 70% Com	nmit Confidence @ 75%	🔀 View	Entire Project	Distri	bution-Triang	e % Cor	ifidence at Con	nmit Date 75%	גץ Con	tact and Help						
Chro	no™ Wizaro	ł	😸 Validate Project	High	Risk Confic	lence @ 30% = Seleo	ct Baseline - No baselin	es Merg	e Bias View	😽 Metri	cs	Nomir	nal Confidence	5%	1.7* Info							
		Chro	no™ Tools			Chrono'	™ Gantt Chart Views			Chror	no™ Options		Project Summa	ary Info	Chrono™ Se	ttings, Ver. S1.1.048						
0	Task	MIDC			Duration 🗸	Gent	Finish 👻	Predecessors -	c	Best Case	Worst Case	Total	%	Actual	Final Cast		t '24		ov '24	Dec '24	Jan '25 15 22 29 5	
	Mode	• • • • • •					1/13/25 5:00 PM	Predecessors +	Successors +	D			Complete			Cost v	6 IS	20 27	5 10 17	24 1 0	15 22 29 5	12
	_→ ☆	1	Start Milestone			10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	0 days	0 days	0 days	0% 0%	-	\$0.00 \$0.00	\$420,580.00 \$0.00	· 10/7					
	×	2	LOE Project Tasks		days i5 days	10/7/24 8:00 AM	1/3/25 5:00 PM	1	2,4,9	0 days 0 days	0 days 0 days	6 days 6 days	0%		\$0.00 \$0.00	\$87,100.00					0%	
-	→ □	2	-		i5 days	10/7/24 8:00 AM	1/3/25 5:00 PM	1	15	0 days	0 days	6 days	0%		\$0.00 \$0.00	\$333,480.00						
-	→ □	3.1	▲ Summary A1 System Design		0 days	10/7/24 8:00 AM	10/18/24 5:00 PM	1	5,7	8 days	12 days	6 days	0%		\$0.00 \$0.00	\$18,900.00	*	-0%				11
+	→	3.2	A1 System Design		davs	10/21/24 8:00 AM			5,7	6 days	12 days 10 days	6 days	0%		\$0.00	\$18,900.00		0%				
-	→ <u> </u>	3.3	A3 Procure Mech. Ma			10/21/24 8:00 AM	12/2/24 5:00 PM		11	22 days	30 days	6 days	0%		\$0.00	\$120,000.00		•	,	.0%		
-	→ ⊑	3.4	B1 Electrical and SW			10/21/24 8:00 AM	12/2/24 5:00 PM		8	8 days	14 days	8 days	0%		\$120,000.00	\$12,150.00			%	•//		
_	-→ □	3.5	B2 Procure Elect. Ma	~	0 days	11/1/24 8:00 AM	11/28/24 5:00 PM		11	18 days	25 days	8 days	0%		\$75,000.00	\$75,000.00		L. L.	~~	-0%		
-	-→ □	3.6	C1 Manufacturing De		2 days	10/7/24 8:00 AM	11/5/24 5:00 PM		10	20 days	30 days	14 days	0%		\$0.00	\$21,692.00	+		0%			
-		3.7	C2 Procure Fab. Equi		1 days	11/6/24 8:00 AM	11/20/24 5:00 PM		10	10 days	15 days	14 days	0%		\$25,000.00	\$25,000.00			-	%		
+		3.8	D1 Fabrication		4 days	12/3/24 8:00 AM	12/20/24 5:00 PM		40	10 1	10 1	14 days	076		\$0.00	\$24,528.00				₩	-0%	
+		3.9	D2 Integration and T		0 days	12/23/24 8:00 AM	1/3/25 5:00 PM	11 Chrono ^T	" Warning				\times		\$0.00	\$27,600.00					0%	
+		4	Confidence Milestone		days	1/3/25 5:00 PM		2,12							\$0.00	\$0.00					🖌 1/3	3
	*	5	Commitment Mileston		days	1/13/25 5:00 PM	N.	13	Changing Bas	elines Typical	ly Requires Sp	onsor Approv	al. Do		\$0.00	\$0.00					·	+
									you want to pr	roceed anywa	у?											
							1															
			Step #1. SAVE the	File,	and th	nen SAVE					Ye	5	No									
			AS another File na		alway	ve a cafo																
		1	hing to do. Then F	Run the	e Sim	ulation		Step #	[±] 2. <u>In the</u>	New	File, Se	lect										
			again and verify th	ne sar	ne re	sults.		-														
							J		roject Bc			e								1		
								Chron	o Tools	Section	า				ton #3	Select "Ye	· " ·	han thi	ic.			

Establishing Baselines C RTConfidence The Baseline Goal Gantt (i.e., Commit Schedule)

•	lay Probabil Simulation	ity Chart	දී Project Progress Update දී Set Project Baselines		al Durations onfidence @ `		Risk Confidence @ 50% Confidence @ 75%	Align Com			ommit Date 1/13/202 Confidence at Comn		□≣ Defaults	d Help		
hro	no™ Wizard		Validate Project	High Ris	sk Confidence	e @ 30% 🗮 Select Bas	eline - @Goal	Merge Bias	View 😽	Metrics Pi	robable Finish 1/13/20	25, -0.4 Work Days On tir	me 1.7* Info			
			o™ Tools	,			ntt Chart Views	5		Chrono™ Options		- Last Update 10/7/2024	Chrono™ Settings,	/er. S1.1.048		
6	Task Mode	WBS .	- Task Name	-	Duration 👻	Start 👻	Finish 👻	Predecessors 👻	Successors 👻	Total Slack - Resource Nam	nes 👻 Fixed Cost	✓ Cost ✓ Work	rk v Best Case Duration	Worst Case	Qtr 4, 2024 Oct Nov	Qtr 1, 202 Dec Jan
	→	0	EVM Training 48 BLand	UDs 7	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	\$0.00	\$440,158.08	4,333 hrs 0 days	0 days	l l	0
-	*	1	Start Milestone	C	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	0.41 days	\$0.00	\$0.00	0 hrs 0 days	0 days	10/7	
		2	LOE Project Tasks	7	70.59 days	10/7/24 8:00 AM	1/13/25 1:43 PM	1	13	0.41 days PM[50%],Ad	min ! \$0.00	\$94,590.04 1	,327.08 hrs 0 days	0 days		09
		3	▲ Summary	7	70.59 days	10/7/24 8:00 AM	1/13/25 1:43 PM			0.41 days	\$0.00	\$345,568.04 3	,005.92 hrs 0 days	0 days		C
	→	3.1	A1 System Design	1	10.45 days	10/7/24 8:00 AM	10/21/24 11:36 AM	1	5,7	0.41 days Eng1,Eng2,Er	ng3,E \$0.00	\$19,750.50	376.2 hrs 8 days	12 days	0%	
	→	3.2	A2 Mechanical Desig	jn 7	7.83 days	10/21/24 11:36 AM	10/31/24 10:14 AM	4	6	0.41 days Eng1,Eng2,Er	ng4[5 \$0.00	\$9,630.90	187.92 hrs 6 days	10 days	0%	
	□ →	3.3	A3 Procure Mech. M		25.78 days		12/6/24 8:29 AM		11FS+0.43 day		\$120,000.00	\$120,000.00	0 hrs 22 days	30 days		0%
		3.4	B1 Electrical and SW	<u> </u>	10.66 days		11/5/24 8:53 AM		8	2.04 days Eng3,Eng5,M	lfg1[2 \$0.00	\$14,391.00	277.16 hrs 8 days	14 days	0%	
		3.5	B2 Procure Elect. Mo		21.32 days		12/4/24 11:26 AM		11FS+0.43 day		\$75,000.00	\$75,000.00	0 hrs 18 days	25 days		0%
		3.6	C1 Manufacturing De	-	25.1 days		11/11/24 8:48 AM		10	7.25 days Eng6[25%],N			672.68 hrs 20 days	30 days	0%	
	->	3.7	C2 Procure Fab. Equ	•	12.12 days		11/27/24 9:46 AM		11FS+0.43 day		\$25,000.00	\$25,000.00	0 hrs 10 days	15 days		6
	->	3.8	D1 Fabrication		14.87 days		12/27/24 10:53 AM			0.41 days Mfg3,Mfg4,N	-	\$26,052.24	773.24 hrs 12 days	18 days		0%
		3.9	D2 Integration and T		11.23 days	12/27/24 10:53 AM		11	13	0.41 days Test1,Test2,	-	\$30,994.80	718.72 hrs 8 days	15 days		• • ••••••••••••••••••••••••••••••••••
	→	4	Confidence Milestone		0 days			2,12	14	0.41 days	\$0.00	\$0.00	0 hrs 0 days	0 days		1
	\$	5	Commitment Mileston	e C	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	13		0 days	\$0.00	\$0.00	0 hrs 0 days	0 days		•
														Baseline	s are auto-Saved	
						Consic	der the Bl	ack Ba	seline k	oars as Sna	p-shots t	hat do		<fi< td=""><td>eplica named: le name>_000 le is put into the</td><td></td></fi<>	eplica named: le name>_000 le is put into the	

not change, even after updating the schedule.

Establishing Baselines Confidence The Baseline Goal Gantt (i.e., Commit Schedule)

	lay Probabil Simulation	ity Chart	දී Project Progress Update අටු Set Project Baselines		al Durations Confidence @		Risk Confidence @ 50% Confidence @ 75%	Align Com			Commit Date 1/13/202 6 Confidence at Com		□⊞ Defaults }? Contact an	d Help			
Chro	no™ Wizard		Validate Project	Hiah R	isk Confidence	e @ 30% 🗮 Select Bas	eline - @Goal	Merge Bias	View 😽	Metrics P	robable Finish 1/13/2	2025, -0.4 Work Days On	time				
		Chrono		5			tt Chart Views	5		Chrono™ Options		fo - Last Update 10/7/202		/er. S1.1.048			
(Task Mode	WBS -	- Task Name	•	Duration 👻	Start 🗸	Finish 👻	Predecessors 👻	Successors 👻	Total Slack + Resource Nar	mes 👻 Fixed Cost	✓ Cost ✓ W	ork - Best Case	Worst Case	Qtr 4, 2024 Oct Nov	Dec	Qtr 1, 202 Jan
Г	-	0	▲ EVM Training 48 BLand	UDs	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	\$0.00	\$440,158.08	4,333 hrs 0 days	0 days	Ú.		1
-	\$	1	Start Milestone		0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	0.41 days	\$0.00	\$0.00	0 hrs 0 days	0 days	10/7		
	-	2	LOE Project Tasks		70.59 days	10/7/24 8:00 AM	1/13/25 1:43 PM	1	13	0.41 days PM[50%],Ad	lmin	\$94,590.04	1,327.08 hrs 0 days	0 days			0
	□	3	▲ Summary		70.59 days	10/7/24 8:00 AM	1/13/25 1:43 PM			0.41 days	\$0.00	\$345,568.04	3,005.92 hrs 0 days	0 days	li li li li li li li li li li li li li l		<u> </u>
	→	3.1	A1 System Design		10.45 days	10/7/24 8:00 AM	10/21/24 11:36 AM	1	5,7	0.41 days Eng1,Eng2,E	ng3,E \$0.00	\$19,750.50	376.2 hrs 8 days	12 days	0%		
	→	3.2	A2 Mechanical Desig	gn	7.83 days	10/21/24 11:36 AM	10/31/24 10:14 AM	4	6	0.41 days Eng1,Eng2,E	ng4[5 \$0.00	\$9,630.90	187.92 hrs 6 days	10 days	0%		
		3.3	A3 Procure Mech. M	\aterials	25.78 days	10/31/24 10:14 AM	12/6/24 8:29 AM	5	11FS+0.43 day	0.41 days	\$120,000.00	\$120,000.00	0 hrs 22 days	30 days		0%	
		3.4	B1 Electrical and SV	V Design	10.66 days	10/21/24 11:36 AM	11/5/24 8:53 AM	4	8	2.04 days Eng3,Eng5,N	/fg1[2 \$0.00	\$14,391.00	277.16 hrs 8 days	14 days	0%		
		3.5	B2 Procure Elect. Mo	aterials	21.32 days	11/5/24 8:53 AM	12/4/24 11:26 AM	7	11FS+0.43 day	2.04 days	\$75,000.00	\$75,000.00	0 hrs 18 days	25 days		 0%	
	→	3.6	C1 Manufacturing D	esign	25.1 days	10/7/24 8:00 AM	11/11/24 8:48 AM	1	10	7.25 days Eng6[25%],N	/lfg4,1 \$0.00	\$24,748.60	672.68 hrs 20 days	30 days	0%	,	
	- →	3.7	C2 Procure Fab. Equ	vipment	12.12 days	11/11/24 8:48 AM	11/27/24 9:46 AM	9	11FS+0.43 day	7.25 days	\$25,000.00	\$25,000.00	0 hrs 10 days	15 days		0%	
		3.8	D1 Fabrication		14.87 days	12/6/24 11:55 AM	12/27/24 10:53 AM	8FS+0.43 days,	12	0.41 days Mfg3,Mfg4,M	Vlfg5, \$0.00	\$26,052.24	773.24 hrs 12 days	18 days			0%
	→	3.9	D2 Integration and T	[est	11.23 days	12/27/24 10:53 AM	1/13/25 1:43 PM	11	13	0.41 days Test1,Test2,	Test3 \$0.00	\$30,994.80	718.72 hrs 8 days	15 days			0
		4	Confidence Milestone		0 days			2,12	14	0.41 days	\$0.00	\$0.00	0 hrs 0 days	0 days			1
-	*	5	Commitment Mileston	1e	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	13		0 days	\$0.00	\$0.00	0 hrs 0 days	0 days			•
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not change, even after updating the schedule.

Establishing Baselines CrtConfidence The Baseline Nominal Gantt (i.e., <u>Target</u> Schedule)

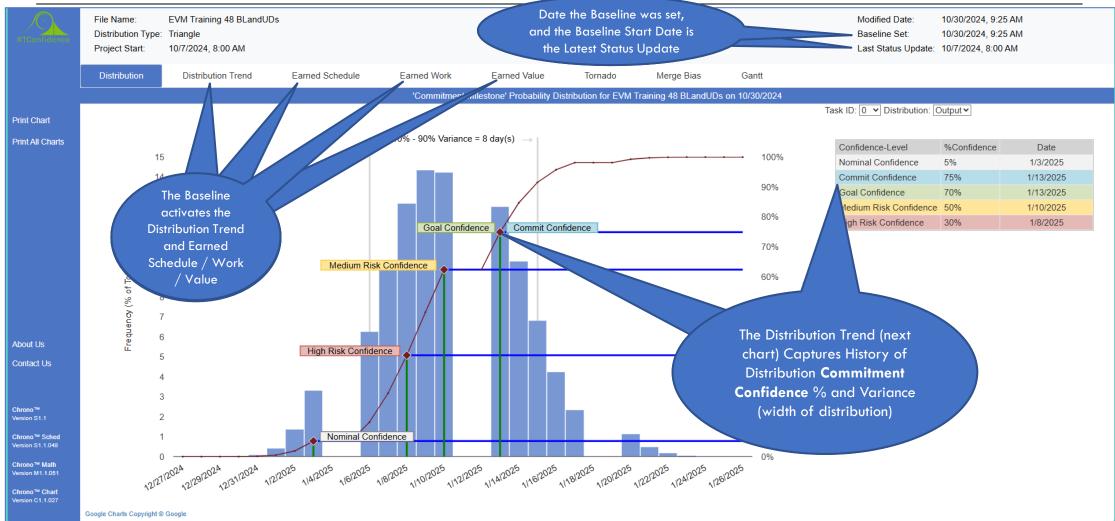
	lay Probabili Simulation	ty Chart	Project Progress Update		inal Durations		lisk Confidence @ 50%	Align Com		Resource Distribution-		Commit Date 1/13/20		□≣ Defaults					
			, , , , , , , , , , , , , , , , , , ,								2	% Confidence at Corr		·•					
Chro	no™ Wizard	~	Validate Project	High F	lisk Confidenc		eline - @Nominal	Merge Bias	View	Metrics		Nominal Confidence		1.7* Info					
	T 1	Chrono	™ Tools			Chrono™ Gan	tt Chart Views			Chrono™ Op	ptions Proj	lect Summary Into - Last	Update 10/7/2024	Chrono™ Settings, Ver. S1.1.04		Qtr 4, 2024			Qtr 1, 2
0	D Task Mode -	WBS 🗸	- Task Name	-	Duration 🚽	Start 👻	Finish 👻	Predecessors 👻	Successors	Total ▼ Slack ▼	Resource Nam	nes 👻 Fixed Cost	- Cost -	Work - Best Case	Worst Case Uuration	0ct	Nov	Dec	J
Г		0	▲ EVM Training 48 BLand	UDs	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days		\$0.00	\$420,580.00	3,941.6 hrs 0 days	0 days	İ			ė
	\$	1	Start Milestone		0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	6 days	;	\$0.00	\$0.00	0 hrs 0 days	0 days	10/7			
	-	2	LOE Project Tasks		65 days	10/7/24 8:00 AM	1/3/25 5:00 PM	1	13	6 days	PM[50%],Adr	min ! \$0.00	\$87,100.00	1,222 hrs 0 days	0 days				0%
	-	3	▲ Summary		65 days	10/7/24 8:00 AM	1/3/25 5:00 PM			6 days		\$0.00	\$333,480.00	2,719.6 hrs 0 days	0 days	i i			0%
	□ →	3.1	A1 System Design		10 days	10/7/24 8:00 AM	10/18/24 5:00 PM	1	5,7	6 days	Eng1,Eng2,En	ng3,E \$0.00	\$18,900.00	360 hrs 8 days	12 days	0%	6		
	-	3.2	A2 Mechanical Desi	gn	7 days	10/21/24 8:00 AM	10/29/24 5:00 PM	4	6	6 days	Eng1,Eng2,En	ng4[5 \$0.00	\$8,610.00	168 hrs 6 days	10 days		0%		
	-	3.3	A3 Procure Mech. N	\aterials	24 days	10/30/24 8:00 AM	12/2/24 5:00 PM	5	11	6 days		\$120,000.00	\$120,000.00	0 hrs 22 days	30 days		*	0%	
		3.4	B1 Electrical and SV	V Design	9 days	10/21/24 8:00 AM	10/31/24 5:00 PM	4	8	8 days	Eng3,Eng5,M	fg1[2 \$0.00	\$12,150.00	234 hrs 8 days	14 days		0%		
		3.5	B2 Procure Elect. Me	aterials	20 days	11/1/24 8:00 AM	11/28/24 5:00 PM	7	11	8 days		\$75,000.00	\$75,000.00	0 hrs 18 days	25 days			0%	
	→	3.6	C1 Manufacturing D	esign	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10	14 days	Eng6[25%],M	1fg4,1 \$0.00	\$21,692.00	589.6 hrs 20 days	30 days		0%		
	→	3.7	C2 Procure Fab. Equ	vipment	11 days	11/6/24 8:00 AM	11/20/24 5:00 PM	9	11	14 days		\$25,000.00	\$25,000.00	0 hrs 10 days	15 days		-0	%-	
	□ →	3.8	D1 Fabrication		14 days		12/20/24 5:00 PM	8,10,6	12	6 days	Mfg3,Mfg4,M	/lfg5, \$0.00	\$24,528.00	728 hrs 12 days	18 days			0%	
!	□ →	3.9	D2 Integration and		10 days	12/23/24 8:00 AM	1/3/25 5:00 PM	11	13	6 days	Test1,Test2,T		\$27,600.00	640 hrs 8 days	15 days				0%
3		4	Confidence Milestone		0 days			2,12	14	6 days	;	\$0.00	\$0.00	0 hrs 0 days	0 days				
1	*	5	Commitment Milestor	ne	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	13		0 days		\$0.00	\$0.00	0 hrs 0 days	0 days				•
													We up	date this N	ominal	Scheo	dule (v	vhich is	5
+													•	he Team sho			•		•

is considered a good "Target" for the Team to Work toward Achieving.

However, we are most concerned about how we are performing to the **Commit** Schedule.

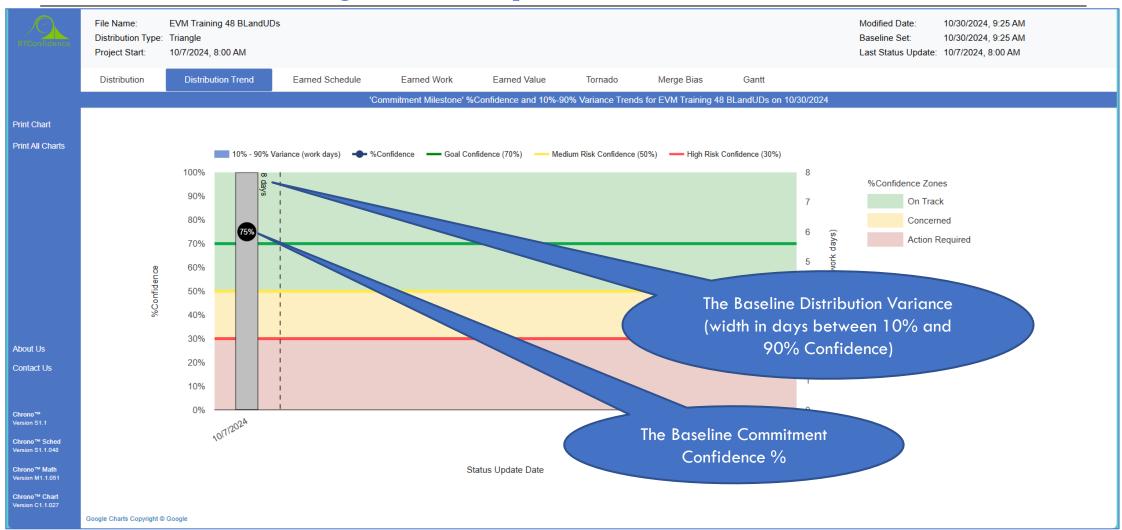
SRA Simulation Output Display Result of Setting the Project Baseline



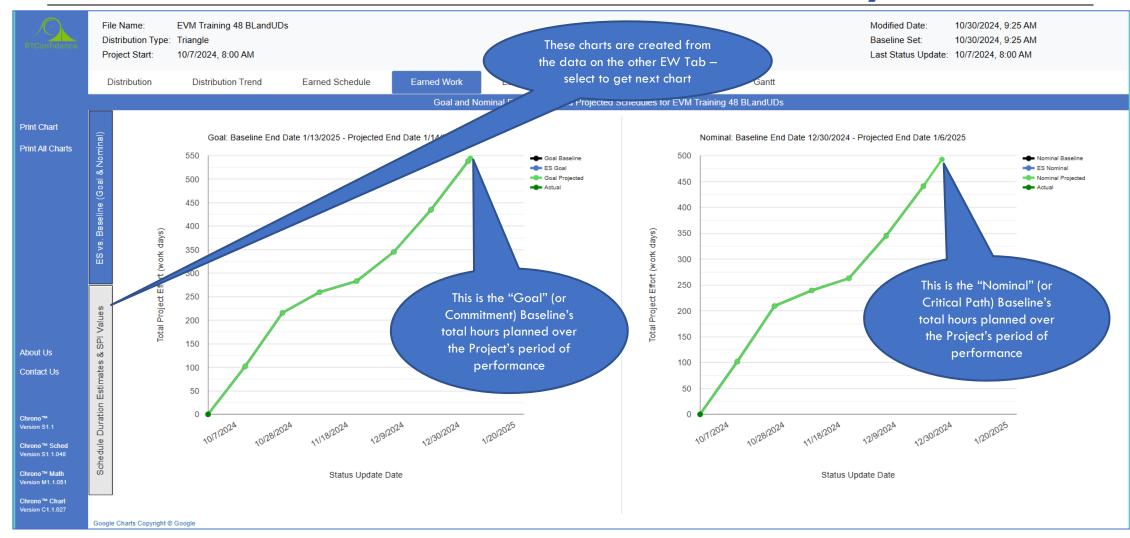


SRA Simulation Output Display Result of Setting the Project Baseline

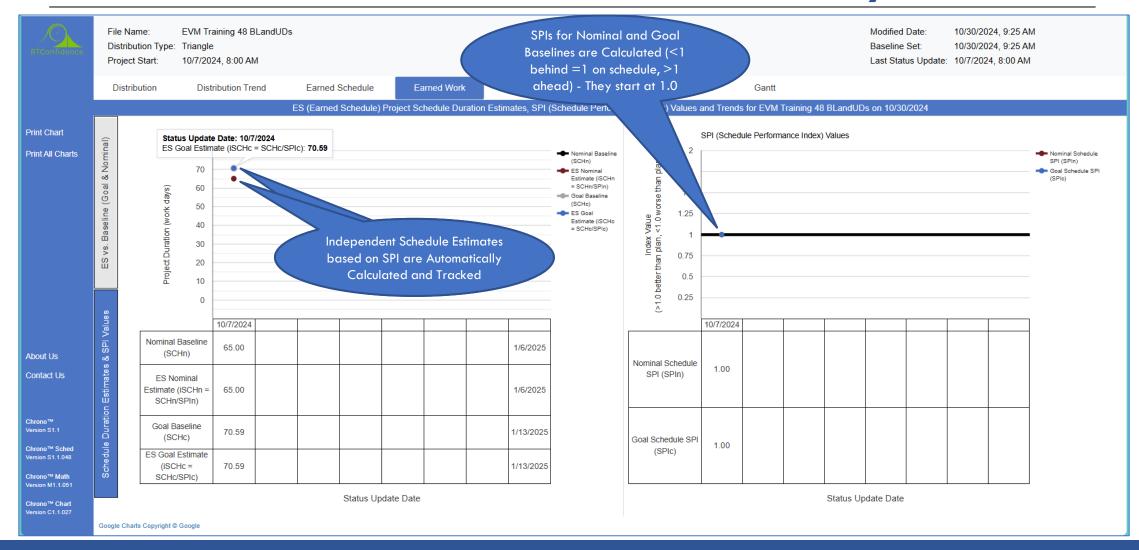




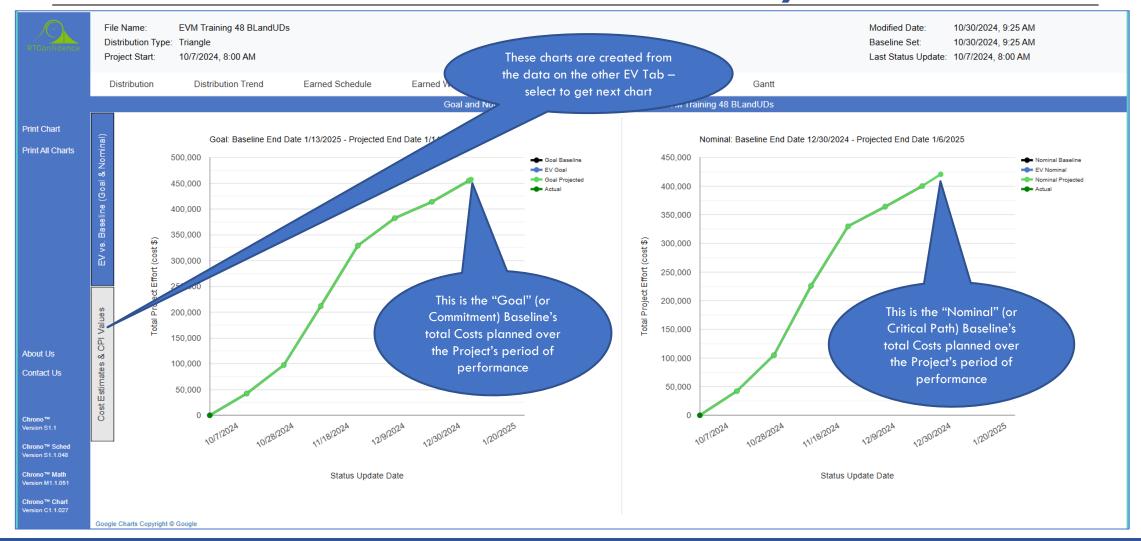
SRA Simulation Output Display Confidence EVM Schedule Metrics – are Automatically Calculated



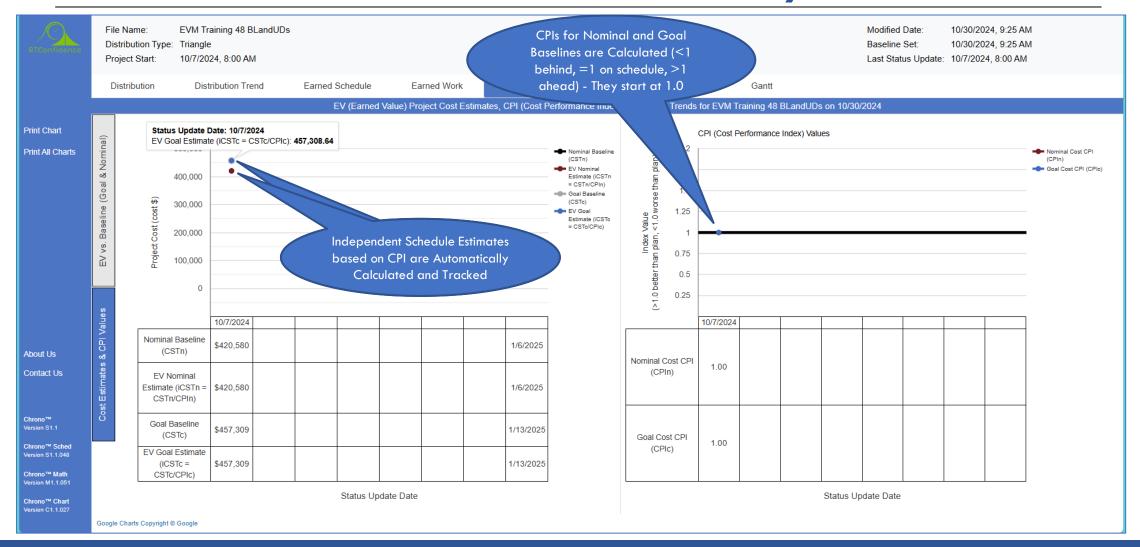
SRA Simulation Output Display Creation Confidence EVM Schedule Metrics – are Automatically Calculated



SRA Simulation Output Display Confidence EVM Cost Metrics – are Automatically Calculated



SRA Simulation Output Display Confidence EVM Cost Metrics – are Automatically Calculated



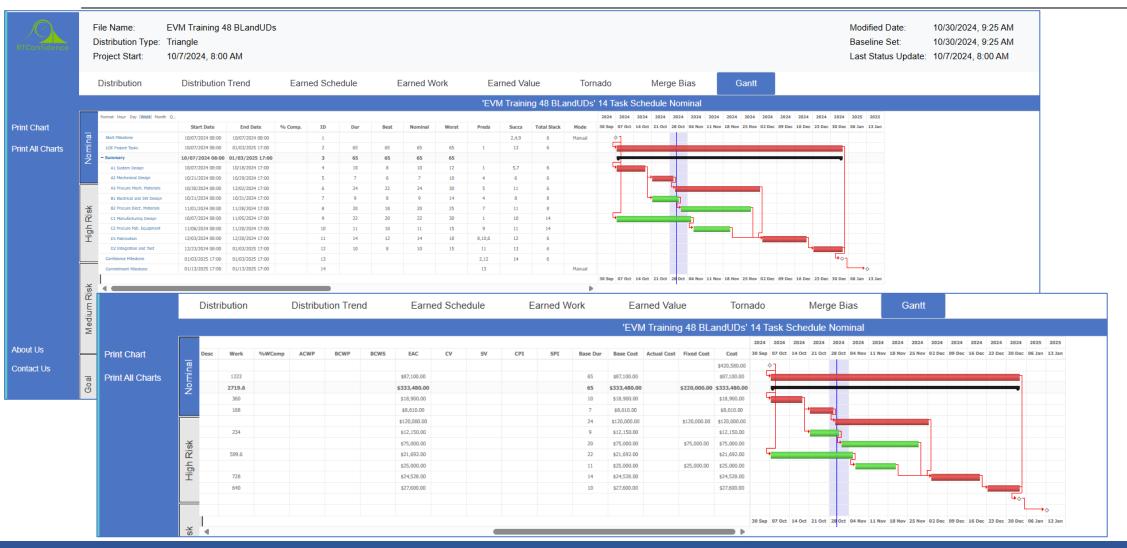
Post Baseline Simulation Outputs **EVM Metrics – Commitment Plan**



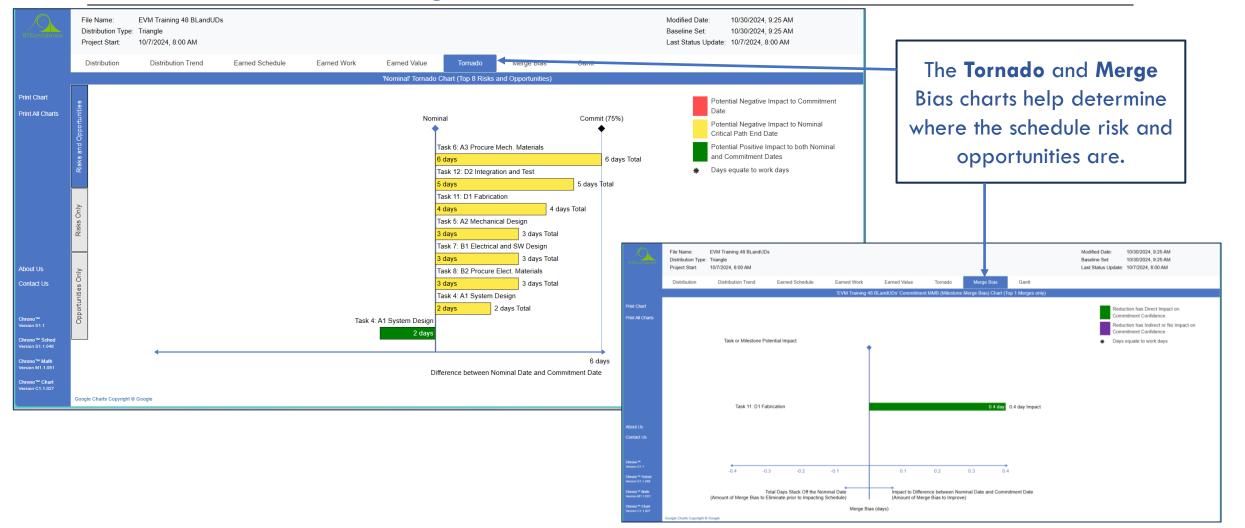
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Post Baseline Simulation Outputs **EVM Metrics – Nominal Plan**





Post Baseline Simulation Outputs Tornado and Merge Bias Charts Prioritize Risks

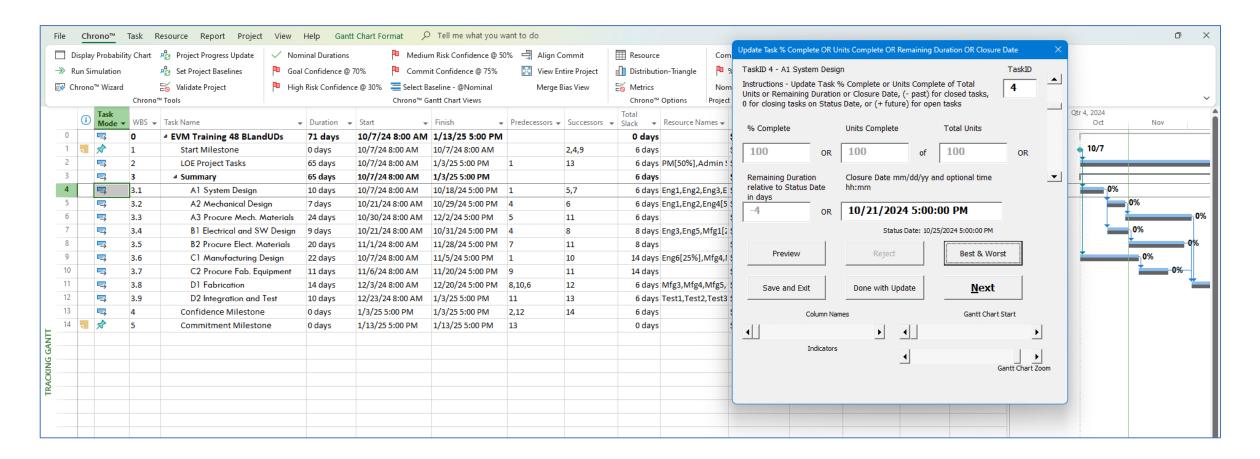


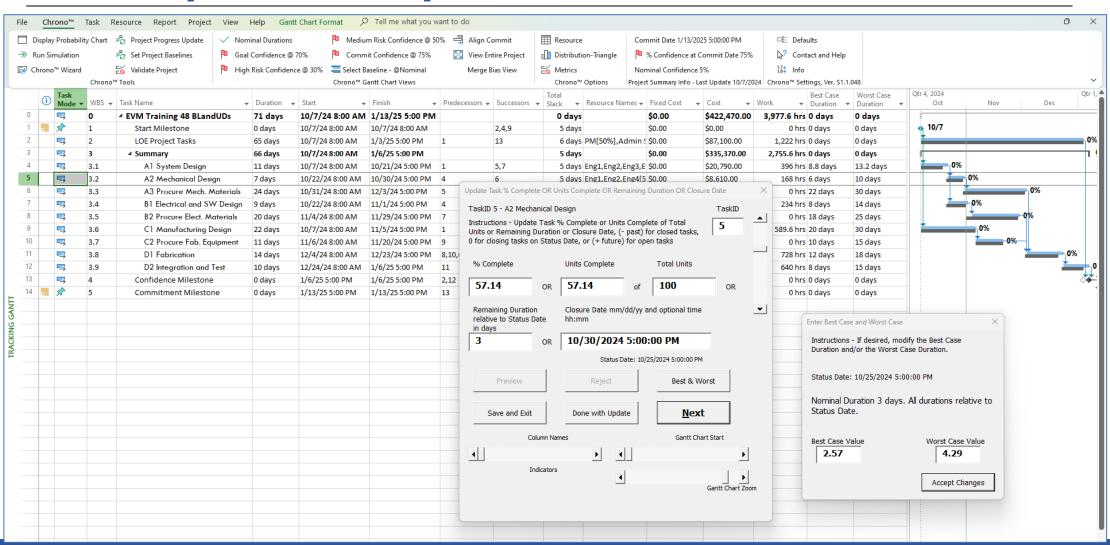
Project Progress Update Reference C RTConfidence Scenario Explanation (First Update)

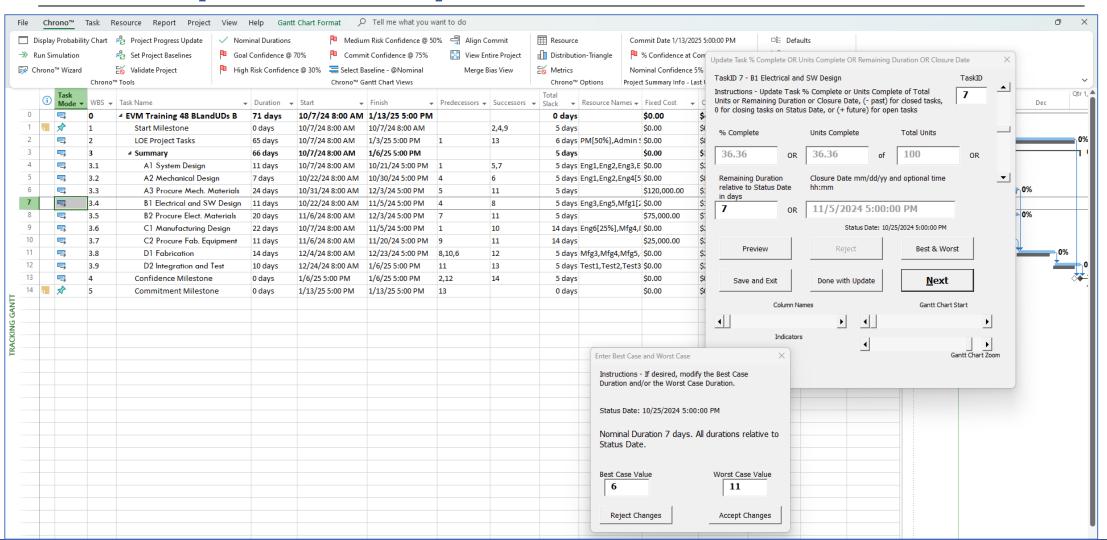


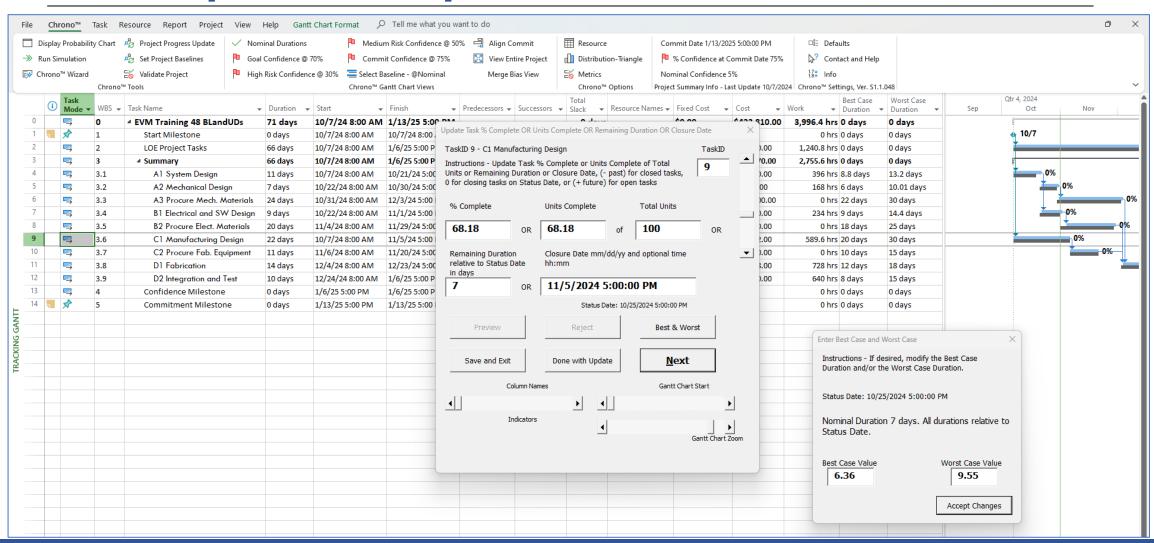
First Project Progress Update (Friday, 10/25/2024)

- 1) Task A1 (TaskID 4) pushed out 1 day (change Closure Date and Time to 10/21/2024 5:00PM), then Next, and Next.
- 2) Task A2 (TaskID 5) is on track with remaining Duration of 3 work days, Next, then Accept Changes to the revised Best Case and Worst Case duration Values (2.57 and 4.29 days from the Status Update date).
- 3) Task B1 (TaskID 7) is expected to push out 2 more days (Change Remaining Duration from 5 to 7), Next, then Next again and change BC and WC (BC = 6 and WC = 11), Accept Changes.
- 4) Task C1 (ID 9) in on track Next, and Accept the BC and WC changes (BC = 6.36 and WC = 9.55), Accept Changes.
- 5) Select "3. Preview" and notice that the Commitment Confidence from the updated Distribution chart (below) has only gone down to 59%. This is acceptable to the team.
- 6) Select "4. Publish" and see the Update #1 ChronoView Outputs below.

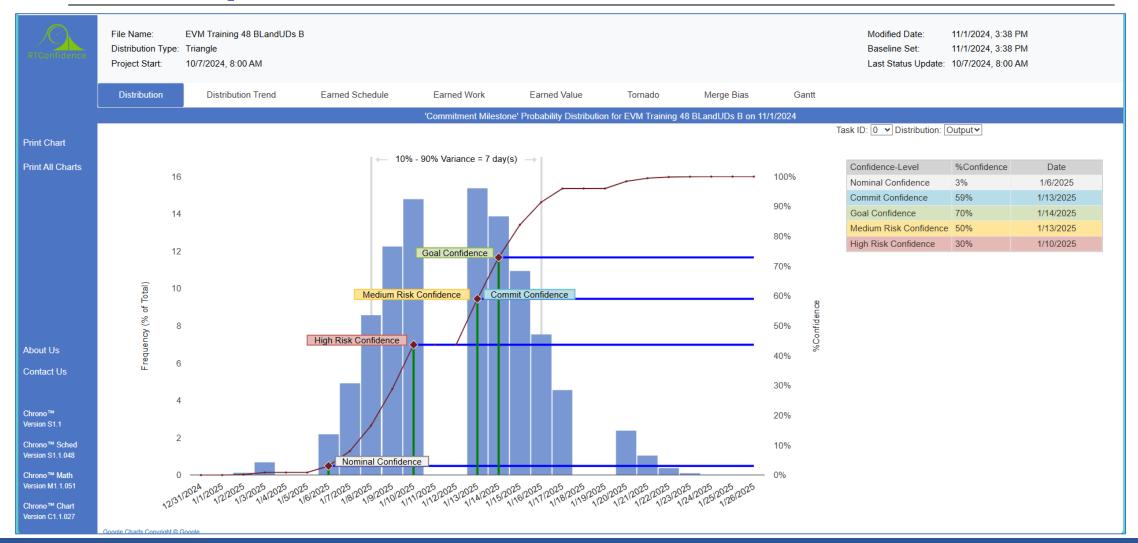




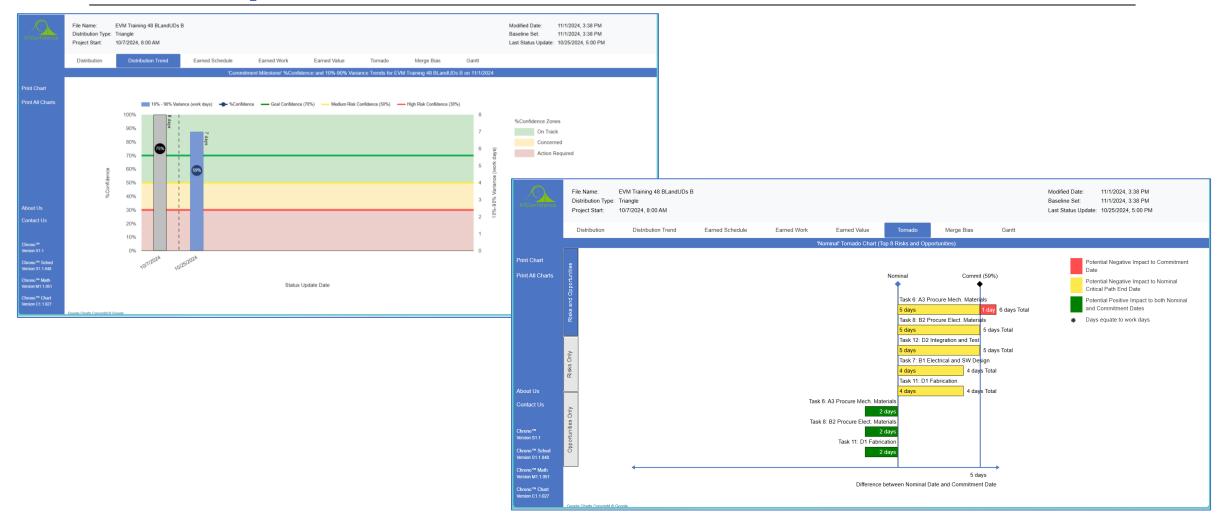




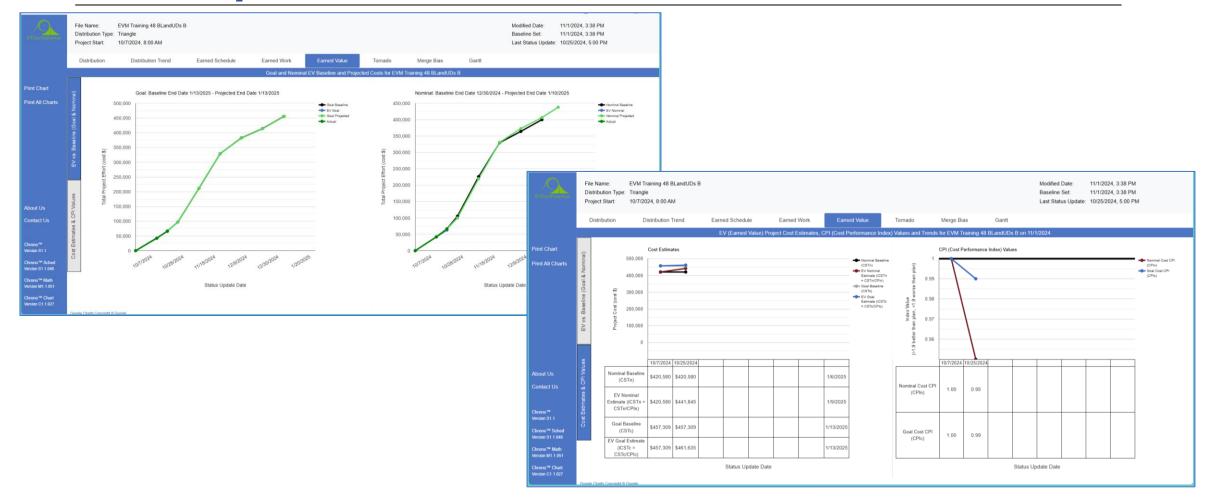
Project Progress Update Reference Status Update #1 Previewed Chrono Distribution



Project Progress Update Reference Status Update #1 Published Dist. Trend & Tornado Charts



Project Progress Update Reference Confidence Status Update #1 Published Cost EV & CPI Charts



Project Progress Update Reference Status Update #1 Published Schedule EW & SPI Charts



Project Progress Update Reference Status Update #1 Published Commit Sch. & Cost Charts

RIConfidence	F	ile Name: Distribution Ty Project Start:	/pe: Tri	angle 7/2024,	ng Gold I 8:00 AM																		Modified Date: Baseline Set: Last Status Update:	11/4/2024, 12:10 PM 11/4/2024, 12:10 PM 10/25/2024, 5:00 PM
		Distribution		Distribu	tion Tren	nd	Earne	d Scheo	dule	E	arned W	/ork	Ea	arned Va	lue	Tori	nado	Merg	e Bias	Gantt				
													'EVN	1 Trainin	g Gold F	PreBL ret	y' 14 Ta	sk Schedule	e Comm	nit				
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Print Chart		Desc Work	%WComp	ACWP	BCWP	BCWS	EAC	CV	SV	CPI	SPI	Base Dur	Base Cost	Actual Co	st Fixed Cos	t Cost	30 Sep 07	Oct 14 Oct 21 Oct 2	28 Oct 04 No	ov 11 Nov 18 Nov 25 Nov	02 Dec 09 Dec 1	6 Dec 23 Dec 30	Dec 06 Jan 13 Jan	
	Nominal		100													\$440,066.12	<u> </u>							
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	2	3020	32.97	\$45,794.26	\$41,393.80	\$46,590.00	\$388,178.59	\$4,400.46	-\$5,196.20	0.8884	0.9039	70.58	\$345,568.0	4 \$45,794.0	0 \$220,000.	\$344,926.1	-		_				24.25%	
		396	100	\$20,790.00	\$19,750.50	\$18,900.00	\$20,790.00	-\$1,039.50	\$850.50	1.045	0.95	10.45	\$19,750.50	\$20,790.0	0	\$20,790.00		100%						
		176	54.43	\$4,907.70	\$5,242.47	\$6,150.00	\$10,056.02	\$334.77	-\$907.53	0.8524	1.0682	7.82	\$9,630.90	\$4,908.00		\$9,012.31		1	51.43%					
							\$120,000.00					25.77	\$120,000.00			0 \$120,000.00			4					
		315	32.7	\$5,346.00	\$4,705.89	\$6,750.00	\$19,239.43	-\$640.11	-\$2,044.11	0.6971	0.8802	10.66	\$14,391.00	\$5,346.00		\$16,346.25		·	1	32.7%				
	炎						\$75,000.00					21.32	\$75,000.00		\$75,000.0				1					
	ï	609	65.87	\$14,750.56	\$16,302.91	\$14,790.00	\$22,413.14	\$1,552.35	\$1,512.91	1.1022	1.1052	25.1	\$24,748.60	\$14,751.0	0	\$22,388.36	4		65	5.88%				
	High						\$25,000.00					12.12	\$25,000.00		\$25,000.0				4					
	I	766					\$26,052.24					14.87	\$26,052.24			\$25,816.45								
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	Σ													EVM Trai	ning Gold	PreBL retr	/' 14 Task	Schedule Cor	mmit					
				Format: Hour Day	Week Month Q												2024 2024	2024 2024 2024	2024 2024	2024 2024 2024 2024	2024 2024 202	4 2025 2025		
About Us		Print Chart				Start Date	End Date	e % Com	mp. ID	Dur	Best	Nominal	Worst F	Preds Su	cs Total Sia	ick Mode	30 Sep 07 Oct	14 Oct 21 Oct 28 Oct 0	04 Nov 11 Nov	18 Nov 25 Nov 02 Dec 09 Dec	16 Dec 23 Dec 30 D	ec 06 Jan 13 Jan		
			ina	Start Milestone		10/07/2024 08:0			1					2,4		Manual	*1							
Contact Us	_	Print All Chart	S Eo/	LOE Project Tasks		10/07/2024 08:0	00 01/13/2025 1 8:00 01/13/2025		% Z	71	66	66	66	1 1	3							21.38%		
	Goal		Z	A1 System Des	ign .	10/07/2024 08:0			6 4	11	8.8	11	13.2	1 5	7		- F	100%				21.23%		
	Ō			A2 Mechanical	Design	10/22/2024 08:0			% 5	7.33	6	7	10.01	4 (i 0.48			51.4	396					
				A3 Procure Me	ch. Materials	10/31/2024 10:3	37 12/05/2024 1	5:30	6	25.49	22	24	30	5 11FS	0.48									
Chrono™				B1 Electrical an		10/22/2024 08:0			% 7	12.11	9.43	11	17.29	4 8				*	32.7%					
Version S1.1			Risk Sist	B2 Procure Ele		11/07/2024 08:5			8	21.19	18	20	25 30.01	7 11FS- 1 1					Market Bark					
			님	C1 Manufactur C2 Procure Rab		10/07/2024 08:0			10	12.11	10	11	15	1 1 9 11FS					G					
Chrono [™] Sched	Ē		Hig	D1 Fabrication		12/09/2024 09:3			10	14.74	10	14		0.89,10 1										
11 1 01 1 010	E			D2 Integration	and Test	12/27/2024 16:2	23 01/13/2025 1	7:00	12	11.08	8	10	15	11 1	3						4			
Version S1.1.048									13					2,12 1	4							401		
	Ŭ			Confidence Milest	one	01/14/2025 08:0																		
Chrono™ Math Version M1.1.051	ŏ			Confidence Milest Commitment Mile	stone	01/14/2025 08:0			13					13		Manual	30.6-0 07.0-1	14.04 31.04 37.51	New 11 Key	18 Nov 25 Nov 02 Dec 09 Dec	16 Dec 23 Dec 20 D	40		

Project Progress Update Reference Status Update #1 Published Nominal Sch. & Cost Charts

		Distribution	Distribu	ution Trend	i	Earne	ed Schedul	е	Earne	d Work		Earned Valu	ue	Torna	do	Me	erge Bias		Gantt									
									'EVM	Template	e File Derr	o No Actua	ls BLandl	JDs' 14 Tas	sk Schedu	ıle Nomir	nal								×1 -		• .1	
		Format: Hour Day Week Mont	h Qu										2024	2024 2024	24 2024 2	2024 2024	2024 20	24 2024	2024 20	24 2024	2024 2024	2025 2	025		Note	e: this	5 IS TI	ne
Print Chart			S	tart Date	End Da	ite %	o Comp.	ID	Dur	Best	Nominal	Worst	Preds 30 Se	p 07 Oct 14 0	Oct 21 Oct 28	8 Oct 04 Nor	v 11 Nov 18	Nov 25 Nov	02 Dec 09	Dec 16 Dec 2	3 Dec 30 De	ec 06 Jan 13	Jan					l
	na	Start Milestone	10/0	7/2024 08:00	10/07/2024	08:00		1						\$]										S	Sched	lule i	that '	the
Print All Charts	E	LOE Project Tasks	10/0	7/2024 08:00	01/06/2025	17:00	23%	2	66	66	66	66	1	•								23%						
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Contact Us Chrono™ Version S1.1 Chrono™ Sched Version S1.1.048 Chrono™ Math	oal Medium		Risk Nominal	ACWP \$ \$20,100.00 \$ \$45,794.26 \$ \$20,790.00 \$ \$4,907.70 \$ \$ \$5,346.00 \$	BCWP 519,795,43 542,932,265 518,900,00 54,907,70 54,374,000 54,374,0000 54,374,0000 54,374,000 54,374,000 54,374,000 54,374,000 54,374,000 54,374,000 54,374,000 54,374,000 54,374,0000 54,374,0000 54,374,000 54,374,0000 54,374,0000000000000000000000000000000000	BCWS \$20,100.00 \$46,590.00 \$18,900.00 \$6,150.00 \$6,750.00	EAC 588,440.11 5335,710.83 520,790.00 58,610.00 512,000.00 514,850.00 514,850.00 514,850.00 521,692.00 525,000.00 524,528.00	-\$304.57 - \$2,862.00 -\$1,890.00	5V -\$304.57 -\$3,657.74 -\$1,242.30 -\$2,376.00	CPI 0.9848 0.9375 0.9091 1	SPI 0.9848 0.9215 1 0.798 0.648	EVM Term Base Cost \$87,100.00 \$333,480.00 \$18,900.00 \$120,000.00 \$122,150.00 \$122,000.00 \$124,502.00 \$21,692.00 \$25,000.00 \$24,528.00	Image: constraint of the state of	Earner Demo No A Fixed Cost \$220,000.00 \$120,000.00 \$75,000.00	d Value Actuals BL \$426,510.00 \$88,440.00 \$338,670.00 \$338,670.00 \$120,000.00 \$14,850.00 \$14,850.00 \$14,850.00 \$22,5000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$25,000.00 \$25,000.00 \$25,000.00 \$25,000.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$25,000.00 \$24,528.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$25,000.00 \$24,528.00 \$25,000.00 \$25	andUDs 2024 21 30 Sep 07	Tornado 5' 14 Task 3 1024 2024	Schedule 2024 202 21 Oct 28 0	Merg e Nomina 24 2024 Dct 04 Nov	je Bias I 2024 2024	2024 20	Gantt 024 2024	2024 2024	sc 30 Dec	2025 2025 06 Jan 13 Jan 23% 26.09% 			
About Us Contact Us Chrono™ Version S1.1 Chrono™ Sched Version S1.1.048 Chrono™ Math Version M1.1.051	oal Medium		Risk Nominal	ACWP \$ \$20,100.00 \$ \$45,794.26 \$ \$20,790.00 \$ \$4,907.70 \$ \$ \$5,346.00 \$	BCWP 519,795,43 542,932,265 518,900,00 54,907,70 54,374,000 54,374,0000 54,374,0000 54,374,000 54,374,000 54,374,000 54,374,000 54,374,000 54,374,000 54,374,000 54,374,000 54,374,0000 54,374,0000 54,374,000 54,374,0000 54,374,0000000000000000000000000000000000	BCWS \$20,100.00 \$46,590.00 \$18,900.00 \$6,150.00 \$6,750.00	EAC 588,440.11 5335,710.83 520,790.00 58,610.00 512,000.00 514,850.00 514,850.00 514,850.00 521,692.00 525,000.00 524,528.00	-\$304.57 - \$2,862.00 -\$1,890.00	5V -\$304.57 -\$3,657.74 -\$1,242.30 -\$2,376.00	CPI 0.9848 0.9375 0.9091 1	SPI 0.9848 0.9215 1 0.798 0.648	EVM Term Base Cost \$87,100.00 \$333,480.00 \$18,900.00 \$120,000.00 \$122,150.00 \$122,000.00 \$124,502.00 \$21,692.00 \$25,000.00 \$24,528.00	Image: constraint of the state of	Earner Demo No A Fixed Cost \$220,000.00 \$120,000.00 \$75,000.00	d Value Actuals BL \$426,510.00 \$88,440.00 \$338,670.00 \$338,670.00 \$120,000.00 \$14,850.00 \$14,850.00 \$14,850.00 \$22,5000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$25,000.00 \$25,000.00 \$25,000.00 \$25,000.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$24,528.00 \$24,528.00 \$24,528.00 \$25,000.00 \$24,528.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$24,528.00 \$25,000.00 \$25,000.00 \$24,528.00 \$25,000.00 \$25	LandUDs 2024 21 30 Sep 07	Tornado ' 14 Task : 024 2024 7 Oct 14 Oct	Schedule 2024 202 21 Oct 28 0	Merg 2 2024 2	je Bias	2024 24 25 Nov 02	Gantt 224 2024 Dec 09 Dec 4 4 4 4 4 4 4 4 4	2024 2024	x 30 Dec	2025 2025 06 Jan 13 Jan 22.0% 26.09%			

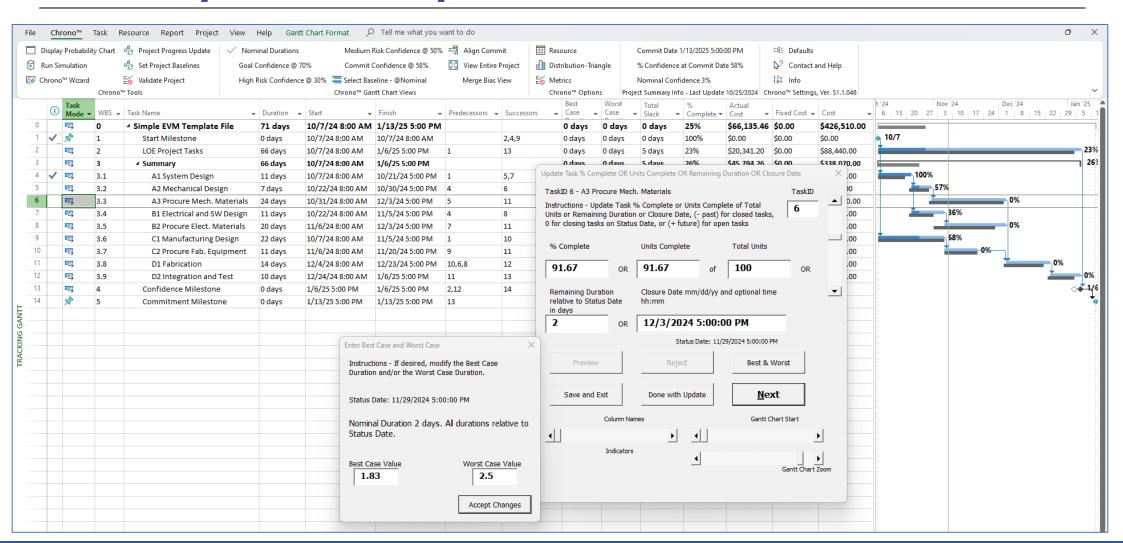
Project Progress Update Reference Scenario Explanation (Second Update)



Second Project Progress Update (Friday, 11/29/2024)

- 1) Task A2 (TaskID 5) completed as planned (on 10/30/2024), Next.
- 2) Task A3 (TaskID 6) is on track with remaining Duration of 2 work days, Next, then Accept Changes to the revised Best Case and Worst Case duration Values (1.83 and 2.5 days).
- 3) Task B1 (TaskID 7) Completed 1 day later than expected (Change Remaining Duration from -18 to -17), Next, then Next again.
- 4) Task B2 (Task ID 8) in on track with remaining Duration of 3 work days, Next, and make BC and WC changes (BC = 3 and WC = 4), Accept Changes.
- 5) Task C1 (Task ID 9) completed to schedule Next.
- 6) Task C2 (Task ID 10) experienced some delays completed a week late. Change -7 work-days to -2 work-days, then Next, and Next.
- 7) Select "3. Preview" and notice that the Commitment Confidence from the updated Distribution chart has changed to 84% due to the retiring of project risks. This is obviously acceptable to the team.
- 8) Do not Select "4. Publish" until the cost changes in the next chart are made.

Project Progress Update Reference Status Update #2 Input 2



Project Progress Update Reference Reference Status Update #2 Input 2



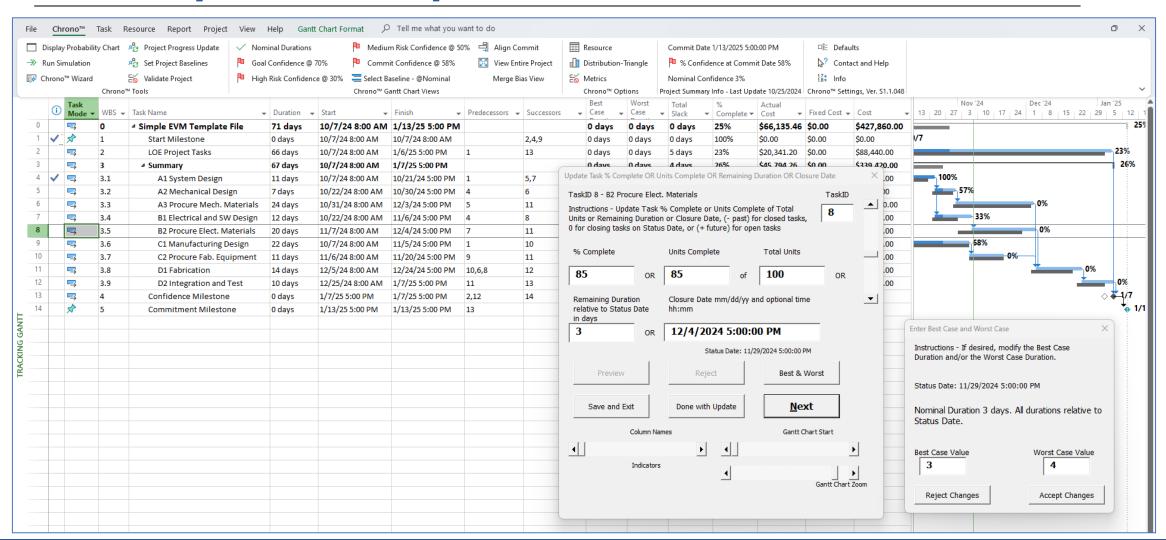
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	Display	/ Probabil	ity Chart	🤌 Project Progress Update 🗸 🗸	Nominal Durations	Medium	Risk Confidence @ 50%	6 🗐 Align Com	nmit	Update Task % Complete OR	Units Complet	e OR Remaining	Duration OR Closure	Date	×					
5	Run Si	mulation		Re Set Project Baselines	Goal Confidence @	70% Commit	Confidence @ 58%	🔀 View Entire		TaskID 6 - A3 Procure Me				TaskID						
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	()	Task								0 for closing tasks on Sta	tus Date, or (+	- future) for op	en tasks			Worse Gase	Qtr 4, 2024		_	Qtr 1
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3			3	4 Summary	67 days	10/7/24 8:00 AM	1/7/25 5:00 PM	-	10		1		1			0 days				
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6			3.3	A3 Procure Mech. Materi	als 25 days	10/31/24 8:00 AM	12/4/24 5:00 PM	5	11	3 OR	12/4/2	2024 5:00:	DO PM			31.25 days			0%	
7			3.4	B1 Electrical and SW Des	ign 11 days	10/22/24 8:00 AM	11/5/24 5:00 PM	4	8				29/2024 5:00:00 PM			17.29 days	1	36%		
8		→	3.5	B2 Procure Elect. Materia	als 20 days	11/6/24 8:00 AM	12/3/24 5:00 PM	7	11			Status Date: 11/	29/2024 5:00:00 PM			25 days		+	0%	
9		-→	3.6	C1 Manufacturing Design	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10	Preview	Re	eject	Best & Wor	st		30.01 days		68%		
10	_	→	3.7	C2 Procure Fab. Equipme	nt 11 days	11/6/24 8:00 AM	11/20/24 5:00 PM	9	11							15 days		-09	6	
11			3.8	D1 Fabrication	14 days	12/5/24 8:00 AM	12/24/24 5:00 PM		12	Coursed Diff.	Dama		Next			18 days			-	_ 0%
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Project Progress Update Reference C RTConfidence Status Update #2 Input 3

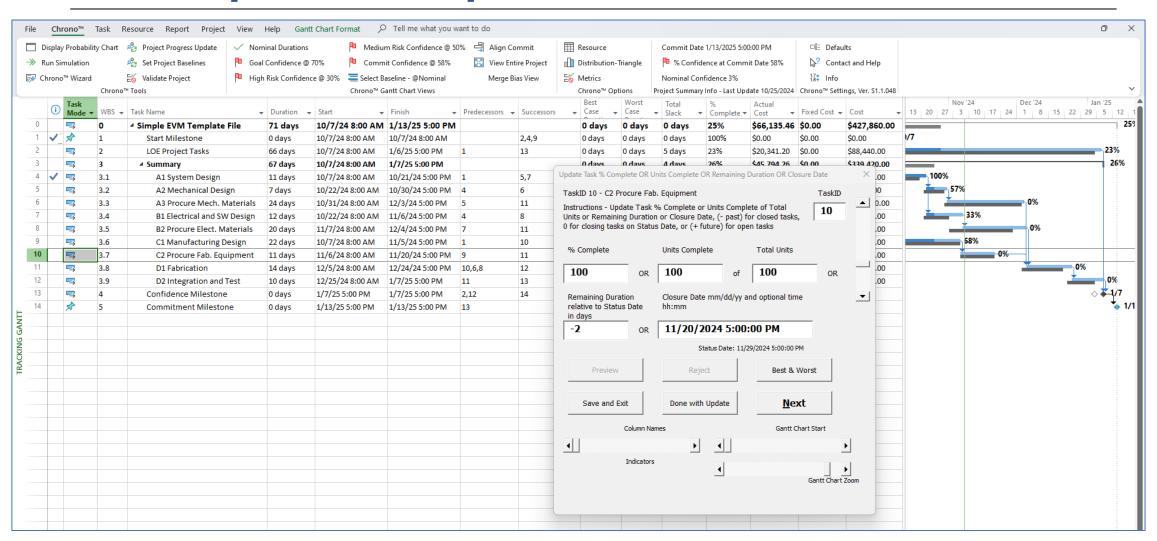


Display	Probabil	ity Chart	Project Progress Update	V Nom	inal Durations	P Medium	n Risk Confidence @ 5	0% 릐 Alian C	ommit	Resource		Commit Dat	e 1/13/2025 5:(00:00 PM	⊐≣ Defa	ults				
	nulation	,	Set Project Baselines	_	Confidence @ 7	<u></u>	t Confidence @ 58%	View En		Distribution	Triangle	_	dence at Comr			act and Help				
	™ Wizard		Validate Project	<u>_</u>					-	Metrics	mangle			Inc Date Jo /6	17t Info	accano neip				
hrono'	" Wizard	Chrono		F ^u High	Risk Confidenc		seline - @Nominal Intt Chart Views	Merge B	ias View			Nominal Co		d-t- 10/05/0004		tings, Ver. S1.1.048				
	Task	Chrono	100IS			Chrono Ga	Intt Chart views			Chrono™ O Best	Worst	Total	y Into - Last Up	Actual	Chrono- Sett	tings, ver. 51.1.046	Oct '24	Nov '24	Dec '24	
	Mode •	WBS 🚽	Task Name	-	Duration 👻	Start 👻	Finish 👻	Predecessors 👻	Successors				Complete		Fixed Cost 👻	Cost 👻			0 17 24 1 8	15 22
	→	0	Simple EVM Template	File	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	0 days	0 days	25%	\$66,135.46	\$0.00	\$426,510.00				
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	→	2	LOE Project Tasks		66 days	10/7/24 8:00 AM	1/6/25 5:00 PM	1	13	0 days	0 days	5 days	23%	\$20,341.20	\$0.00	\$88,440.00				
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\checkmark	\rightarrow	3.1	A1 System Design				10/21/24 5:00 PM	1	5,7	Update Task % Co	mplete OR l	Units Complete	OR Remaining	Duration OR Clo	sure Date	× .00		100%		
	\rightarrow	3.2	A2 Mechanical Desi	gn	7 days	10/22/24 8:00 AM	10/30/24 5:00 PM	4	6	TaskID 7 - B1 E	ectrical an	d SW Design			TaskID)0		57%		
-	\rightarrow	3.3	A3 Procure Mech. N	laterials		10/31/24 8:00 AM			11	Instructions - U	pdate Task	% Complete o	or Units Comp	lete of Total	7	0.00			- 0%	
	→	3.4	B1 Electrical and SW	/ Design		10/22/24 8:00 AM	11/5/24 5:00 PM	4	8	Units or Remain					, 1	.00		36%		
	\rightarrow	3.5	B2 Procure Elect. Ma	aterials			12/3/24 5:00 PM		11	0 for closing ta	sks on Stati	us Date, or (+1	tuture) for op	en tasks		.00			0%	
	\rightarrow	3.6	C1 Manufacturing D	esign	'		11/5/24 5:00 PM		10	% Complete		Units Comp	lete	Total Units		.00		58%		
	\rightarrow	3.7	C2 Procure Fab. Equ	ipment			11/20/24 5:00 PM		11	70 Complete		onits comp	lete	Total onits		.00			-0%	
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Project Progress Update Reference Status Update #2 Input 4



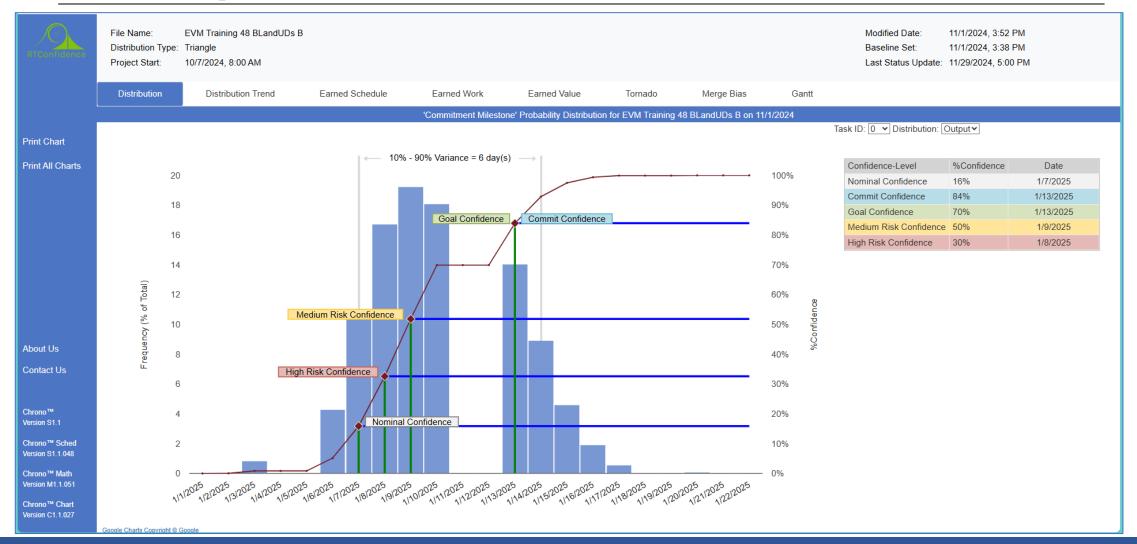
Project Progress Update Reference Status Update #2 Input 6



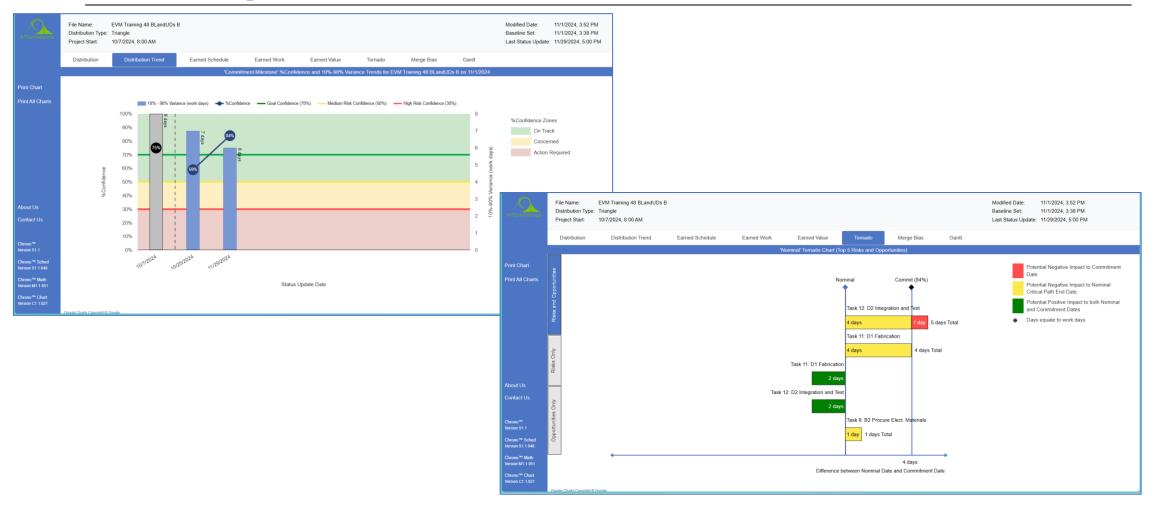
Project Progress Update Reference Status Update #2 Previewed Chrono Distribution



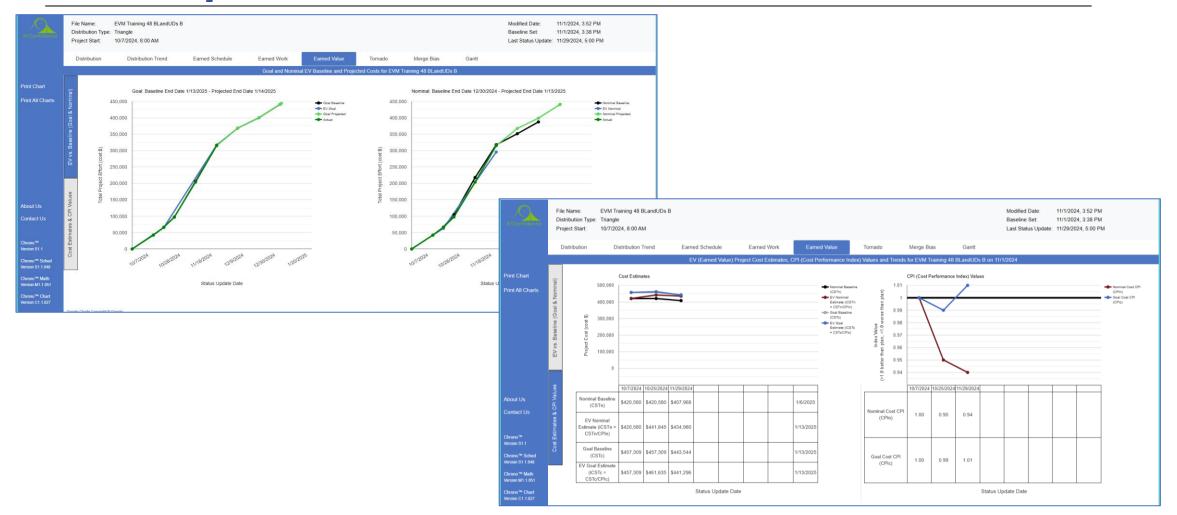
Project Progress Update Reference Status Update #2 Published Chrono Distribution



Project Progress Update Reference Status Update #2 Published Dist. Trend & Tornado Charts



Project Progress Update Reference Confidence Status Update #2 Published Cost EV & CPI Charts



Project Progress Update Reference Status Update #2 Published Schedule EW & SPI Charts



Project Progress Update Reference Status Update #2 Published Commit Sch. & Cost Charts

		ile Nar)istribut Project :	ion Type:	Triangle	aining 48 e 24, 8:00 A)s B															Modified Date: Baseline Set: Last Status Upo	11/1/2024, 3:52 PM 11/1/2024, 3:38 PM late: 11/29/2024, 5:00 PI
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	Ž	48.81	\$261,642.00	\$61,287.58	\$276,352.00	\$1,543,917	-\$200,354.42	-\$215,064.42	0.2217	0.2342	70.58	\$345,568.04	\$261,642.00	\$220,000.00	\$347,002.20	-							73.7%
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		100	\$8,610.00	\$9,630.90	\$8,610.00	\$8,610.00	\$1,020.90	\$1,020.90	1.1185	1.1185	7.82	\$9,630.90	\$8,610.00		\$8,610.00			1 200%					
			\$105,600.00	\$0.00	\$115,000.00	\$120,000.00	-\$105,600.00	-\$115,000.00			25.77	\$120,000.00	\$105,600.00	\$120,000.00	\$120,000.00			4		88	Na		
	~	100	\$16,200.00	\$14,391.00	\$12,150.00	\$16,200.00	-\$1,809.00	\$2,241.00	1.1844	0.8883	10.66	\$14,391.00	\$16,200.00		\$16,200.00			100%					
	Risk		\$63,750.00	\$0.00	\$75,000.00	\$75,000.00	-\$63,750.00	-\$75,000.00			21.32	\$75,000.00	\$63,750.00	\$75,000.00	\$75,000.00			t+	_	8	2.52%		
	High	100	\$21,692.00	\$24,748.60	\$21,692.00	\$21,692.00	\$3,056.60	\$3,056.60	1.1409	1.1409	25.1	\$24,748.60	\$21,692.00		\$21,692.00	4		100%					
	Ξ	100	\$25,000.00	\$0.00	\$25,000.00	\$25,000.00	-\$25,000.00	-\$25,000.00			12.12	\$25,000.00	\$25,000.00	\$25,000.00	\$25,000.00					100%			
						\$26,052.24					14.87	\$26,052.24			\$27,659.70								
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Project Progress Update Reference Status Update #2 Published Nominal Sch. & Cost Charts

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	Fi	ile Name: EV	M Training 48 BL	andUDs B												Modified Date:	11/1/2024, 3:52 PM
	D	istribution Type: Tria	angle													Baseline Set:	11/1/2024, 3:38 PM
	Р	roject Start: 10/	7/2024, 8:00 AM													Last Status Update	11/29/2024, 5:00 PM
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Project Progress Update Reference Scenario Explanation (Third Update)



Third Project Progress Update (Friday, 12/27/2024)

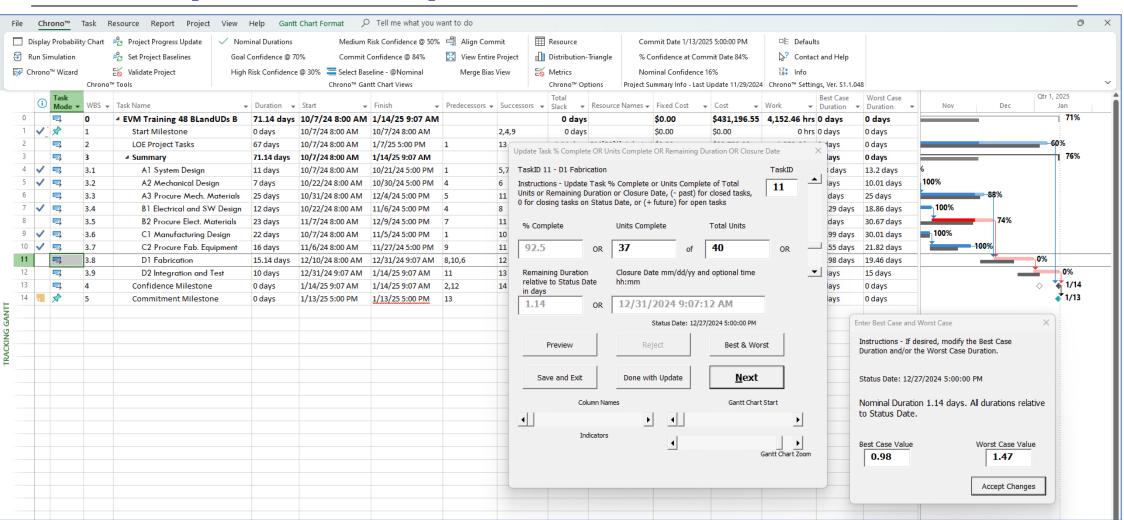
- 1) Task A3 (TaskID 6) completed as planned, Next.
- 2) Task B2 (TaskID 8) pushed out 3 work-days (Change Remaining Duration from -14), Next, and Next.
- 3) Task D1 (ID 11) in a bit behind schedule, for it was planned to be completed by the status update date. Since this is a build of 40 units, and Testing is at a separate facility, all units must be complete before the integration and test can begin. 37 units are complete and 3 more are in process. Change "Total Units" to 40 and "Units Complete" to 37 – Next, and Next and Accept the BC and WC changes (BC = .98 and WC = 1.47), Accept Changes.
- 4) Select "3. Preview" and notice that the Commitment Confidence from the updated Distribution chart (below) has gone down to only 25%. This is not acceptable to the team.

5) Do not Select "4. Publish"!!!!

Project Progress Update Reference Status Update #3 Input 2

e	Chr	ono™	Task	Resource Report Project	View	Help Gantt	Chart Format 🛛 🔎	Tell me what you w	vant to do									· · · · ·			maining D	Ouration OR Closure D		×
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Chr	rono⁼	™ Wizard		😸 Validate Project	High	Risk Confidence	e @ 30% 🗮 Select Bas		Merge Bias	/iew 6	🗟 Metrics				ifidence 16%		it							
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6			3.3	A3 Procure Mech. N	/laterials	24 days	10/31/24 8:00 AM	12/3/24 5:00 PM	5	11	21.9	95 days 3	30 days	5 days	92%	\$110,400.00			1		1			
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10	<	→	3.7	C2 Procure Fab. Equ	ipment	16 days	11/6/24 8:00 AM	11/27/24 5:00 PM	9	11	14.5	5 days	21.82 days	s 0 days	100%	\$25,000.00								
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Project Progress Update Reference Status Update #3 Input 3



Project Progress Update Reference Status Update #3 Previewed Chrono Distribution



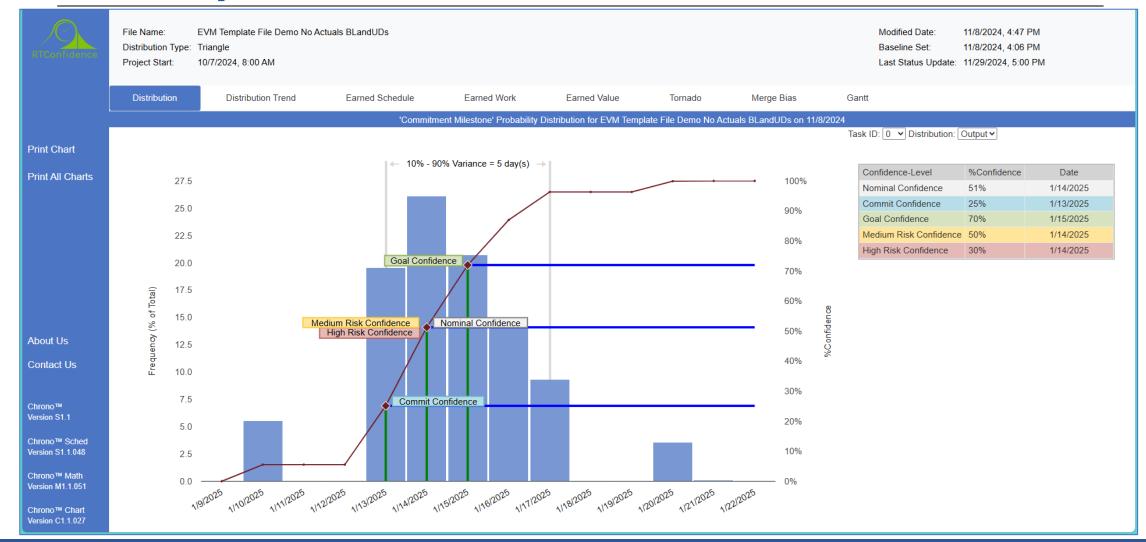
Project Progress Update Reference **Recovery Scenario to Meet Commitments**



Based on the prior chart, it is determined that the organization needs to take Corrective Action(s) to maintain its schedule commitment of 1/13/2025.

- 1) Extra resources will be applied to Task D1 (ID 11) to complete the fabrication on 12/30 the duration will be changed from 15.14 days to 15 days with a Worst-Case of 1 5 days.
- 2) For Task D2 (ID 12) will be receiving 2 extra resources (people) to ensure that the task can be completed in no more than 10 days (vs. the 10 days planned, and the Worst-Case of 15 days). This will have a relatively small cost increase, but will enable on-time delivery of product. The 10 day plan is therefore assured, provided no unexpected issues. Also the Worst-Case duration is changed to 10 as well (enabled by pre-authorizing overtime if necessary).
- 3) We will preview the changed schedule to ensure that the commitment schedule is met.

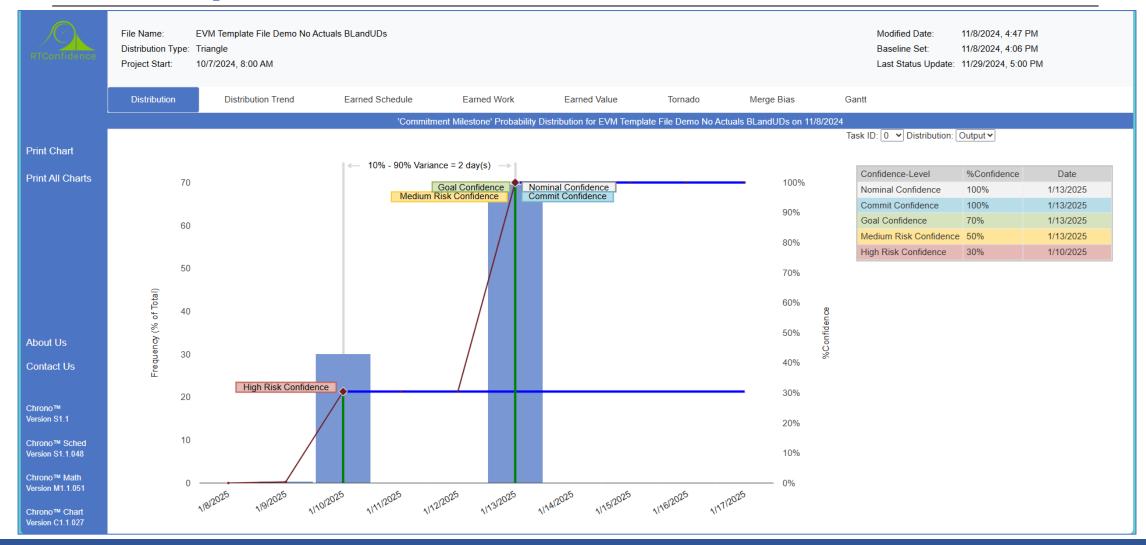
Project Progress Update Reference Status Update #3 Previewed Chrono Distribution



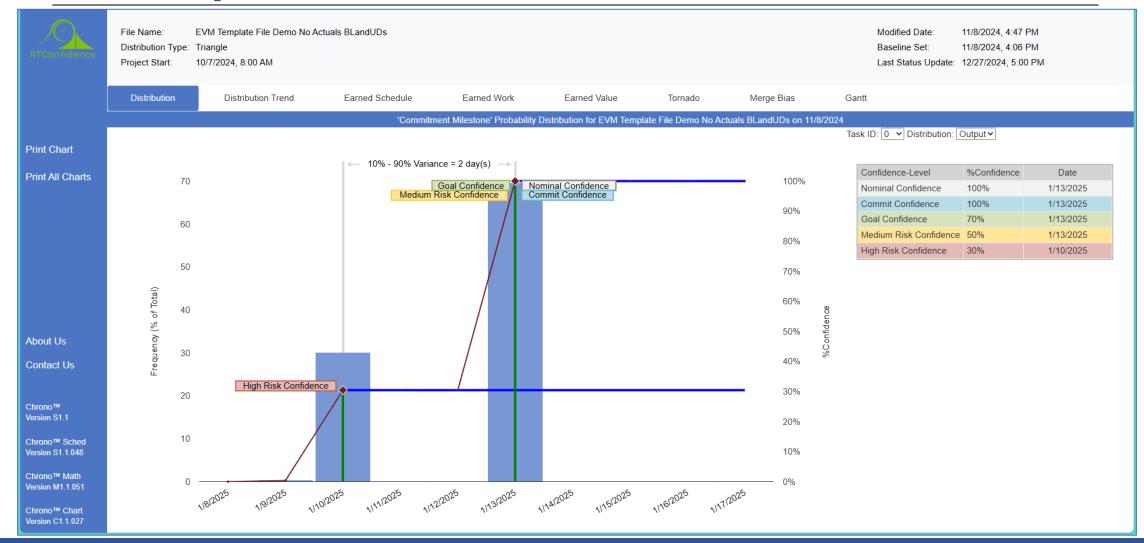
Project Progress Update Reference IMS Changes to Preview Next (Lower Shows Revisions)

	_	Chrono	[™] Tools Before		Chrono™ Gar	ntt Chart Views		ci	nrono™ Option	s Proje	ct Summary Inf	o - Last Update	11/29/2024 Chr	ono™ Settings,	Ver. S1.1.048					
6	Task	W/DC	Task Name	Duration 👻	Chart	Finish 👻	Predecessors 👻	Successor	Best Case	Worst Case	Total	%	Actual Cost 👻	Eived Cost	Cost	Qtr 4, 2024 Oct		Nov	Dec	Qtr 1, 2025 Jan
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7		3.4	B1 Electrical and SW Design	12 days	10/22/24 8:00 AM	11, 0, 2.000	4	8		18.86 days		100%		\$0.00	\$16,200.00			100%	1000	
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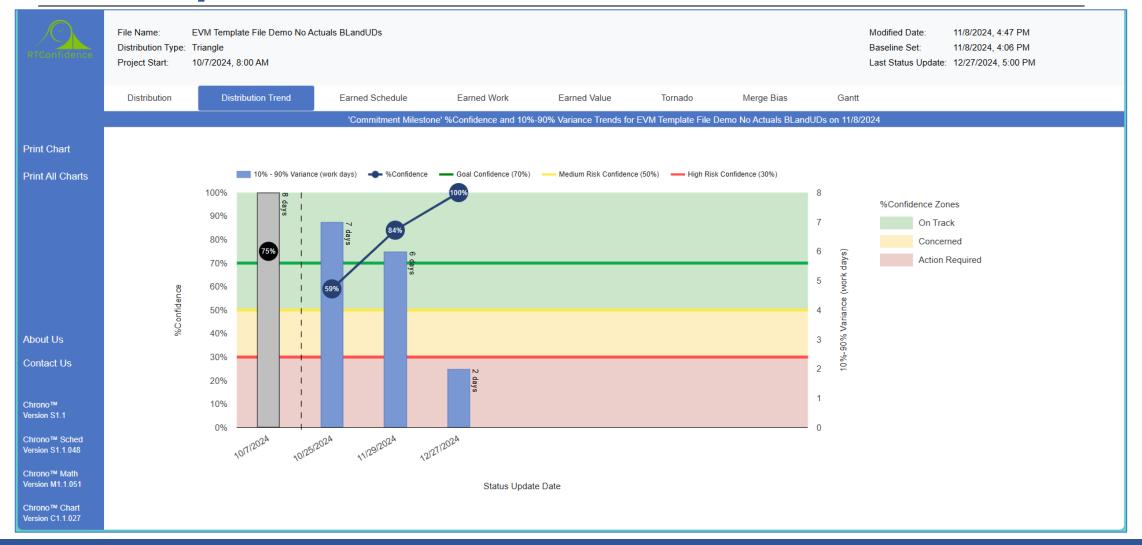
Project Progress Update Reference Status Update #3 Previewed Revised Chrono Distribution



Project Progress Update Reference Confidence Status Update #3 Published Chrono Distribution



Project Progress Update Reference Status Update #3 Published Distribution Trend Chart



Project Progress Update Reference Confidence Status Update #3 Published Cost EV & CPI Charts



Project Progress Update Reference Status Update #3 Published Schedule EW & SPI Charts



Project Progress Update Reference Status Update #3 Published Commit Sch. & Cost Charts

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Project Progress Update Reference Status Update #3 Published Nominal Sch. & Cost Charts

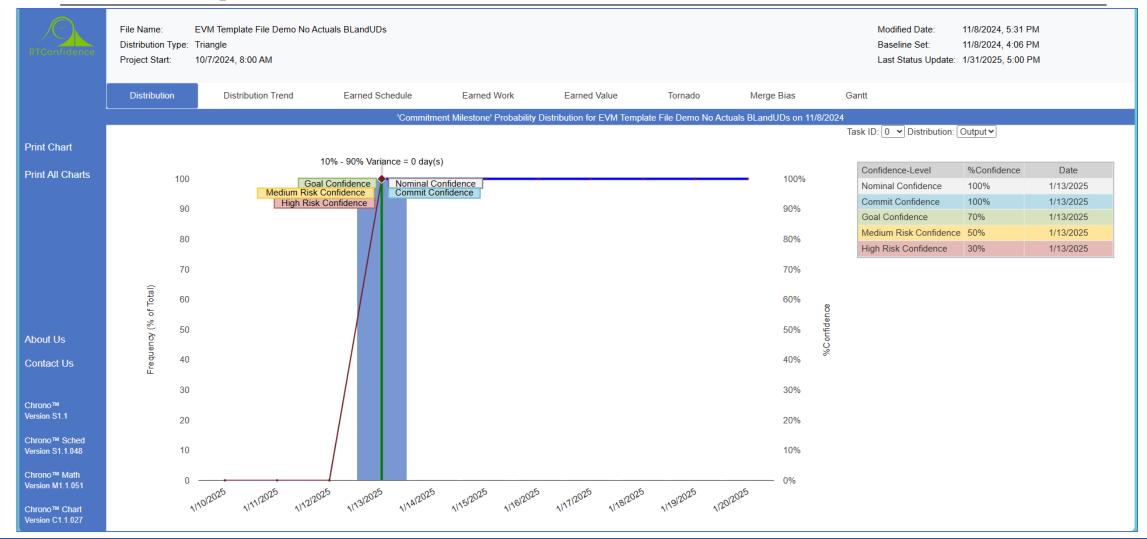
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Project Progress Update Reference Scenario Explanation (Fourth and Final Update)

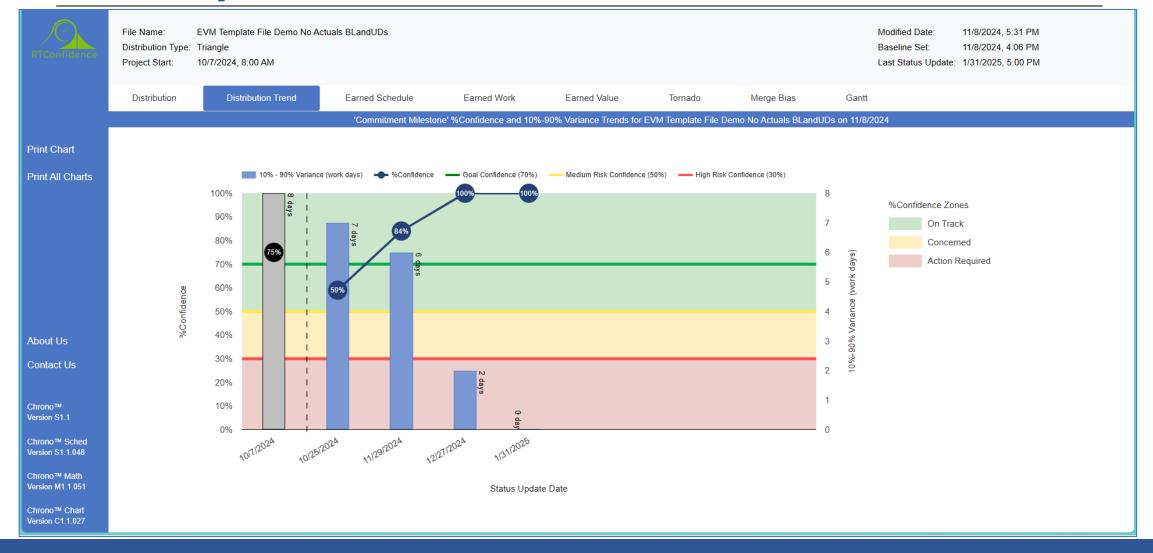
Fourth and Final Project Progress Update (Friday, 1/31/2025)

- 1) Task D1 (TaskID 11) completed as planned, Next.
- 2) Task D2 (TaskID 12) completed as planned, Next.
- 3) "4. Publish" to get the subsequent outputs.

Project Progress Update Reference Status Update #4 Published Chrono Distribution



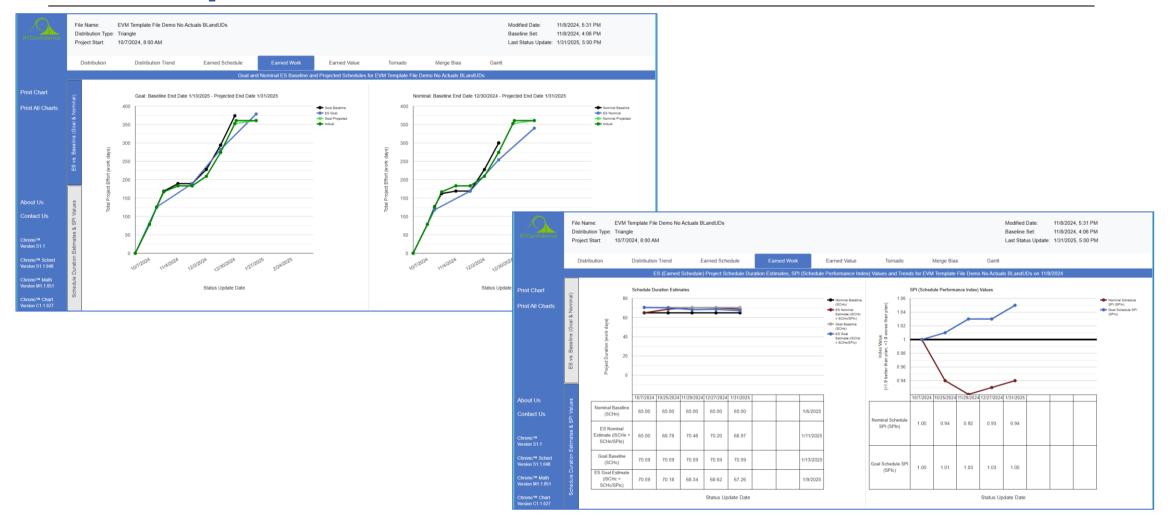
Project Progress Update Reference Status Update #4 Published Distribution Trend Chart



Project Progress Update Reference Confidence Status Update #4 Published Cost EV & CPI Charts



Project Progress Update Reference Status Update #4 Published Schedule EW & SPI Charts



Project Progress Update Reference Status Update #4 Published Commit Sch. & Cost Charts

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	_				\$925,501.35		-\$207,911.96	0.3765	0.368		\$341,172.00	\$220,000.00		, T									100	196		
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chrono™ Math /ersion M1.1.051																										
Chrono™ Chart Version C1.1.027	Commit																									

Project Progress Update Reference Status Update #4 Published Nominal Sch. & Cost Charts

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		\$120,000.00		\$120,000.00				1	1	\$120,000.00		\$120,000.00					4			100%					
	~	\$16,200.00	\$12,150.00	\$12,150.00	\$16,200.00	-\$4,050,00		0.75	1	\$12,150.00	\$16,200.00		\$16,200.00			L		00%							
	Risk	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00			1	1	\$75,000.00	\$75,000.00	\$75,000.00	\$75,000.00				4				100%				
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		\$26,280.00	\$24,528.00	\$24,528.00	\$26,280.00	-\$1,752.00		0.9333	1	\$24,528.00	\$26,280.00		\$26,280.00						- L		_	_	100%		
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Project Progress Update Reference Final Project IMS Outcome

Display Probabi	ility Chart	Reg Project Progress Update Nor	ninal Durations	Medium	Risk Confidence @ 50%	5 🖏 Align Comi	nit [Resource	Co	ommit Date 1/	13/2025 5:00:00	PM	⊡≣ De	efaults					
🗑 Run Simulation	n	🖧 Set Project Baselines 🛛 Goa	Confidence @ 7	0% 🗸 Commit	Confidence @ 70%	🔀 View Entire	Project [👖 Distribution-Tria	angle %	Confidence at	Commit Date 7	70%	\$? Co	ontact and Help					
G Chrono™ Wizar	d	Nalidate Project High	n Risk Confidence	e @ 30% 💳 Select Ba	seline - @Nominal	Merge Bias	View F	o Metrics	Pro	obable Finish	1/13/2025, 0.0 V	Vork Days On time	e 1.7* Int	fo					
- -	Chrono	™ Tools		Chrono™ Ga	ntt Chart Views	2		Chrono™ Optio	ns	Project Summ	ary Info - Last Up	odate 1/31/2025	Chrono™ S	settings, Ver. S1.1.0	48				
1 Task Mode	wbs w	- Task Name	- Duration -	Start	Finish 👻	Predecessors -	Successors	Best Case	Worst Case	Total Slack	% Complete ¥	Actual Cost 👻	Fixed Cost 👻	Cost	Qtr 4, 2024 Oct		Nov	Dec	Qtr 1, 2025 Jan
0 🗸 🚍	0	Simple EVM Template File	71 days		1/13/25 5:00 PM			0 days	0 days	0 days	100%	\$436.312.00		\$436,312.00	Ú.				100
1 🗸 🖈	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	0 days	0 days	0 days	100%	\$0.00	\$0.00	\$0.00	10/7				
2 🗸 🖪	2	LOE Project Tasks	71 days	10/7/24 8:00 AM		1	13	0 days	0 days	0 days	100%		\$0.00	\$95,140.00					1009
3 🗸 🖳	3	✓ Summary	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	0 days	0 days	100%		\$0.00	\$341,172.00					100
4 🗸 🖪	3.1	A1 System Design	11 days	10/7/24 8:00 AM	10/21/24 5:00 PM	1	5,7	8.8 days	13.2 days		100%	\$20,790.00	\$0.00	\$20,790.00		100%			
5 🗸 🖳	3.2	A2 Mechanical Design	7 days	10/22/24 8:00 AM	10/30/24 5:00 PM	4	6	6 days	, 10.01 day	s 0 davs	100%	\$8,610.00	\$0.00	\$8,610.00		100	%		
6 🗸 🖳	3.3	A3 Procure Mech. Materials	24 days	10/31/24 8:00 AM		5	11		s 30 days	0 days	100%		\$120,000.00					100%	
7 🗸 🖳	3.4	B1 Electrical and SW Design	12 days	10/22/24 8:00 AM	11/6/24 5:00 PM	4	8		s 18.86 day		100%	\$16,200.00	\$0.00	\$16,200.00			100%		
8 🗸 🛒	3.5	B2 Procure Elect. Materials	23 days	11/7/24 8:00 AM	12/9/24 5:00 PM	7	11	23 days	30.67 day		100%	\$75,000.00		\$75,000.00				100%	
9 🗸 🖳	3.6	C1 Manufacturing Design	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10		s 30.01 day		100%	\$21,692.00	\$0.00	\$21,692.00	-		00%		
10 🗸 🖳	3.7	C2 Procure Fab. Equipment	16 days	11/6/24 8:00 AM	11/27/24 5:00 PM	9	11		s 21.82 day		100%	\$25,000.00		\$25,000.00		i	-14	00%	
11 🗸 🖳	3.8	D1 Fabrication	15 days	12/10/24 8:00 AM	12/30/24 5:00 PM		12	13 days	15 days	0 days	100%		\$0.00	\$26,280.00				+	100%
12 🗸 📼	3.9	D2 Integration and Test	10 days	12/31/24 8:00 AM	1/13/25 5:00 PM	11	13	8 days	10 days	0 days	100%	\$27,600.00	\$0.00	\$27,600.00					100
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EVM (Earned Value Management) Training Performing EVM Baselining and Updating in Chrono[™] with Updated Actual Costs

CHRONO[™] TRAINING REFERENCE GUIDE

Baselines and Updates Establishing Project Baselines



If you haven't already done so - SAVE then SAVE_AS New File Name

		lity Chart	Project Progress Update		inal Durations		Risk Confidence @ 50%			Resource	Commit Date 1/1		Defaults					
un Sir	nulation		Reg Set Project Baselines	Goal C	Confidence @ 70	0% Commit	Confidence @ 75%	🔀 View Entire	e Project	Distribution-Triangle	% Confidence at	Commit Date 75%						
hrono	™ Wizard	I	🗟 Validate Project	High F	Risk Confidence	@ 30% 🗮 Select Ba	seline - No baselines	Merge Bias	View	🗟 Metrics	Nominal Confide	nce 5%	1.7 * Info					
_		Chrone	™ Tools			Chrono™ Ga	ntt Chart Views			Chrono™ Options	Project Su	nmary Info	Chrono™ Settings, Ver. S1.1.048					
•	Task Mode	WBS -	Task Name	•	Duration 👻	Start 🗸	Finish 👻	Predecessors 🗸	Successo	rs 👻 Slack 👻 Resource	Names 👻 Fixed Co	st 👻 Cost	✓ Work ✓ Best Case Duration	Worst Case Uuration	Qtr 4, 2024 Oct	Nov	Dec	Qtr 1, 2 Ja
	-	0	▲ EVM Training 48 BLand	IUDs	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	\$0.00	\$420,580.	00 3,941.6 hrs 0 days	0 days	İ			ĺ
	\$	1	Start Milestone		0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	6 days	\$0.00	\$0.00	0 hrs 0 days	0 days	10/7		-	
	- 3	2	LOE Project Tasks		65 days	10/7/24 8:00 AM	1/3/25 5:00 PM	1	13	6 days PM[50%]	Admin ! \$0.00,	\$87,100.00	1,222 hrs 0 days	0 days				0%
	→	3	▲ Summary		65 d. ys	10/7/24 8:00 AM	1/3/25 5:00 PM			6 days	\$0.00	\$333,480.0	0 2,719.6 hrs 0 days	0 days	l i			0%
	-	3.1	A1 System Design		10 days	10/7/24 8:00 AM	10/18/24 5:00 PM	1	5,7	6 days Eng1,Eng	2,Eng3,E \$0.00	\$18,900.00	360 hrs 8 days	12 days	0%	6		
	□	3.2	A2 Mechanical Desig	jn	7 days	10/21/24 8:00 AM	10/29/24 5:00 PM	4	6	6 days Eng1,Eng	2,Eng4[5 \$0.00	\$8,610.00	168 hrs 6 days	10 days		0%		
	□	3.3	A3 Procure Mech. M	aterials	24 days	10/30/24 8:00 AM	12/2/24 5:00 PM	5	11	6 days	\$120,00	0.00 \$120,000.0	0 0 hrs 22 days	30 days		*	0%	
	-	3.4	B1 Electrical and SW	/ Design	9 days	10/21/24 8:00 AM	10/31/24 5:00 PM	4	8	8 days Eng3,Eng	5,Mfg1[2 \$0.00	\$12,150.00	234 hrs 8 days	14 days		0%		
	→	3.5	B2 Procure Elect. Mo	aterials	20 days	11/1/24 8:00 AM	11/28/24 5:00 PM	7	11	8 days	\$75,000	00 \$75,000.00	0 hrs 18 days	25 days		•	—-0 %	
	→	3.6	C1 Manufacturing De	esign	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10	14 days Eng6[25%],Mfg4,I \$0.00	\$21,692.00	589.6 hrs 20 days	30 days		0%		
	→	3.7	C2 Procure Fab. Equ	ipment	11 days	11/6/24 8:00 AM	11/20/24 5:00 PM	9	11	14 days	\$25,000	00 \$25,000.00	0 hrs 10 days	15 days		-	₩-	
	□	3.8	D1 Fabrication		14 days	12/3/24 8:00 A M	12/20/24 5:00 PM	e no c Chrono™ War	10			\$24,528.00	728 hrs 12 days	18 days			0%	6
	□	3.9	D2 Integration and T	est	10 days	12/23/24 8:00 AM	1/3/25 5:00 PM	Chrono War	rning		^	\$27,600.00	640 hrs 8 days	15 days			· · · ·	0%
		4	Confidence Milestone		0 days	1/3/25 5:00 PM	1/3/25 5:00 PM					\$0.00	0 hrs 0 days	0 days				~ 1/ 3
۹.	*	5	Commitment Mileston	e	0 days	1/13/25 5:00 PM	1)13/25 5:00 PM			lines Typically Requires Sponso oceed anyway?	r Approval. Do	\$0.00	0 hrs 0 days	0 days				*
			Step #1. SAVE t AS another File	name	– alway	s a safe				Yes	No							
			thing to do. The again and verif					"Set Proj	ect Bc	<u>New File</u> , Selec iselines " in the Section.	*							

Establishing Baselines C RTConfidence The Baseline Goal Gantt (i.e., Commit Schedule)

•	ay Probabili Simulation	ty Chart	Project Progress Update		nal Durations Confidence @		Risk Confidence @ 50% Confidence @ 75%	리 Align Com	-	-	ommit Date 1/13/2025 Confidence at Comm		□≣ Defaults					
			-		_		_							анер				
Chro	no™ Wizard		😸 Validate Project	High F	Risk Confidence	e @ 30% 🗮 Select Bas		Merge Bias	View		robable Finish 1/13/20							
-	_	Chrono	™ Tools			Chrono™ Gar	tt Chart Views			Chrono™ Options	Project Summary Info	- Last Update 10/7/20						
0	Task Mode 🔻	WBS 🚽	Task Name	-	Duration 👻	Start 👻	Finish 👻	Predecessors 👻	Successors	▼ Total ▼ Slack ▼ Resource Nar	nes 👻 Fixed Cost	- Cost - V	Work - Duration	Worst Case Duration	Qtr 4, 2024 Oct	Nov	Dec	Qtr 1, 202 Jan
Г		0	▲ EVM Training 48 BLand	UDs	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	\$0.00	\$440,158.08	4,333 hrs 0 days	0 days	- i	+	<u></u>	į O
-	*	1	Start Milestone		0 days		10/7/24 8:00 AM		2,4,9	0.41 days	\$0.00	\$0.00	0 hrs 0 days	0 days	10/7			-
		2	LOE Project Tasks		70.59 days	10/7/24 8:00 AM	1/13/25 1:43 PM	1	13	0.41 days PM[50%],Ad	min <u>\$</u> \$0.00	\$94,590.04	1,327.08 hrs 0 days	0 days				09
1		3	✓ Summary		70.59 days	10/7/24 8:00 AM	1/13/25 1:43 PM			0.41 days	\$0.00	\$345,568.04	3,005.92 hrs 0 days	0 days				- 0
1	-	3.1	A1 System Design		10.45 days	10/7/24 8:00 AM	10/21/24 11:36 AM	1	5,7	0.41 days Eng1,Eng2,E	ng3,E \$0.00	\$19,750.50	376.2 hrs 8 days	12 days	0	%		
1	→	3.2	A2 Mechanical Desig	gn	7.83 days	10/21/24 11:36 AM	10/31/24 10:14 AM	4	6	0.41 days Eng1,Eng2,E	ng4[5 \$0.00	\$9,630.90	187.92 hrs 6 days	10 days		0%		
	□ →	3.3	A3 Procure Mech. M	- Naterials	25.78 days	10/31/24 10:14 AM	12/6/24 8:29 AM	5	11FS+0.43 (day 0.41 days	\$120,000.00	\$120,000.00	0 hrs 22 days	30 days		+	0%	
		3.4	B1 Electrical and SW	√ Design	10.66 days	10/21/24 11:36 AM	11/5/24 8:53 AM	4	8	2.04 days Eng3,Eng5,N	lfg1[2 \$0.00	\$14,391.00	277.16 hrs 8 days	14 days		0%		
1	-	3.5	B2 Procure Elect. Mo	aterials	21.32 days	11/5/24 8:53 AM	12/4/24 11:26 AM	7	11FS+0.43 (day 2.04 days	\$75,000.00	\$75,000.00	0 hrs 18 days	25 days			<mark>0</mark> %	
1	□ →	3.6	C1 Manufacturing D	esign	25.1 days	10/7/24 8:00 AM	11/11/24 8:48 AM	1	10	7.25 days Eng6[25%],N	1fg4,1 \$0.00	\$24,748.60	672.68 hrs 20 days	30 days		0%		
1	□ →	3.7	C2 Procure Fab. Equ	vipment	12.12 days	11/11/24 8:48 AM	11/27/24 9:46 AM	9	11FS+0.43 (day 7.25 days	\$25,000.00	\$25,000.00	0 hrs 10 days	15 days		· · · · · · · · · · · · · · · · · · ·	0 %	
-	□ →	3.8	D1 Fabrication		14.87 days	12/6/24 11:55 AM	12/27/24 10:53 AM	8FS+0.43 days,	, 12	0.41 days Mfg3,Mfg4,N	Afg5, \$0.00	\$26,052.24	773.24 hrs 12 days	18 days			0%	6
		3.9	D2 Integration and T	est	11.23 days	12/27/24 10:53 AM	1/13/25 1:43 PM	11	13	0.41 days Test1,Test2,	Test3 \$0.00	\$30,994.80	718.72 hrs 8 days	15 days				0
	-⇒	4	Confidence Milestone		0 days	1/13/25 1:43 PM	1/13/25 1:43 PM	2,12	14	0.41 days	\$0.00	\$0.00	0 hrs 0 days	0 days				- 💰 1
۹.	*	5	Commitment Mileston	ie	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	13		0 days	\$0.00	\$0.00	0 hrs 0 days	0 days				• 1
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						Consic	ler the Bl	ack Bas	seline	bars as Sna	p-shots t	hat do		and a re < fi of the fi	le name	>_000		

not change, even after updating the schedule.

Establishing Baselines Cartconfidence The Baseline Nominal Gantt (i.e., <u>Target</u> Schedule)

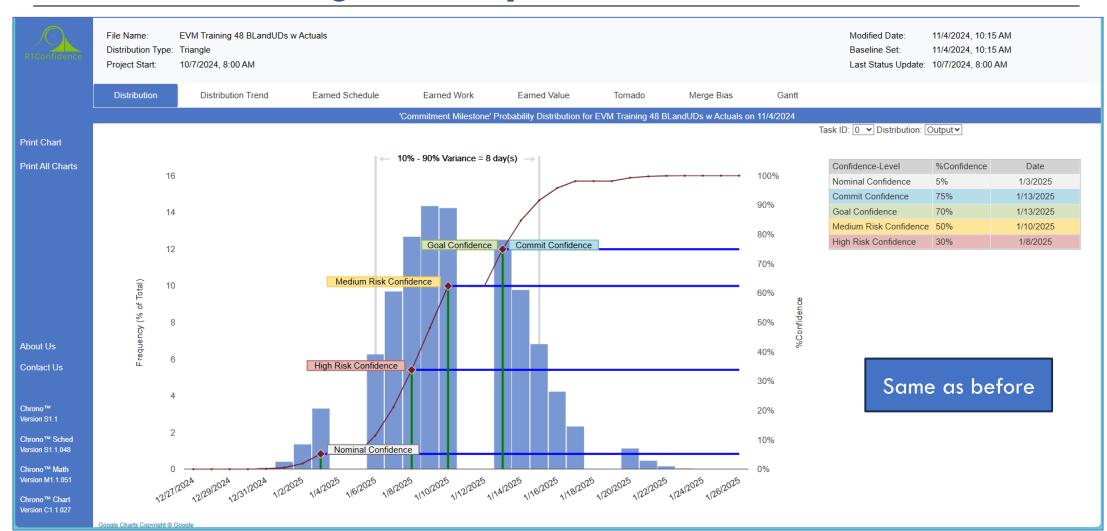
	-	-			nal Durations		Risk Confidence @ 50%			Resource		mit Date 1/13/20		Defaults					
	Simulatio		P Set Project Baselines		onfidence @ 7		Confidence @ 75%	🔀 🛛 View Entire	-	Distribution-Triangle	% Co	nfidence at Com	mit Date 75%						
Chror	no™ Wiza		🗟 Validate Project	High Ri	isk Confidence	e @ 30% 🗮 Select Bas		Merge Bias	View	🗟 Metrics		inal Confidence		1.7* Info					
		Chror	o™Tools			Chrono™ Gar	tt Chart Views			Chrono™ Options	Project Su	mmary Info - Last	Update 10/7/2024	Chrono™ Settings, Ver. S1.1.04					
6	Mode	wbs	- Task Name	-	Duration 👻	Start -	Finish 👻	Predecessors 👻	Successor	Total s ▼ Slack ▼ Resource	Names 🗸	Fixed Cost	Cost 🗸	Work	Worst Case	Qtr 4, 2024	Nov	Dec	Qtr 1, 2
E		0	EVM Training 48 BLandU	Ds	71 days	10/7/24 8:00 AM				0 days		\$0.00	\$420,580.00	3,941.6 hrs 0 days	0 days	- i			i
5	*	1	Start Milestone		0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	6 days		\$0.00	\$0.00	0 hrs 0 days	0 days	10/7			
		2	LOE Project Tasks		65 days	10/7/24 8:00 AM	1/3/25 5:00 PM	1	13	6 days PM[50%]	,Admin §	\$0.00	\$87,100.00	1,222 hrs 0 days	0 days				0%
		3	✓ Summary		65 days	10/7/24 8:00 AM	1/3/25 5:00 PM			6 days		\$0.00	\$333,480.00	2,719.6 hrs 0 days	0 days				0%
		3.1	A1 System Design		10 days	10/7/24 8:00 AM	10/18/24 5:00 PM	1	5,7	6 days Eng1,Eng	2,Eng3,E	\$0.00	\$18,900.00	360 hrs 8 days	12 days	0%			
		3.2	A2 Mechanical Design		7 days	10/21/24 8:00 AM	10/29/24 5:00 PM	4	6	6 days Eng1,Eng	2,Eng4[5	\$0.00	\$8,610.00	168 hrs 6 days	10 days		0%		
	-	3.3	A3 Procure Mech. Mat	terials	24 days	10/30/24 8:00 AM	12/2/24 5:00 PM	5	11	6 days		\$120,000.00	\$120,000.00	0 hrs 22 days	30 days		+	0%	
		3.4	B1 Electrical and SW [Design	9 days	10/21/24 8:00 AM	10/31/24 5:00 PM	4	8	8 days Eng3,Eng	5,Mfg1[2	\$0.00	\$12,150.00	234 hrs 8 days	14 days		0%		
		3.5	B2 Procure Elect. Mate	erials	20 days	11/1/24 8:00 AM	11/28/24 5:00 PM	7	11	8 days		\$75,000.00	\$75,000.00	0 hrs 18 days	25 days		*	0 %	
		3.6	C1 Manufacturing Des	ign	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10	14 days Eng6[25%	6],Mfg4,I	\$0.00	\$21,692.00	589.6 hrs 20 days	30 days	-	0%		
	□	3.7	C2 Procure Fab. Equip	ment	11 days	11/6/24 8:00 AM	11/20/24 5:00 PM	9	11	14 days		\$25,000.00	\$25,000.00	0 hrs 10 days	15 days		-0	%	
	□	3.8	D1 Fabrication		14 days	12/3/24 8:00 AM	12/20/24 5:00 PM	8,10,6	12	6 days Mfg3,Mfg	g4,Mfg5,	\$0.00	\$24,528.00	728 hrs 12 days	18 days			0%	
	□	3.9	D2 Integration and Tes	st	10 days	12/23/24 8:00 AM	1/3/25 5:00 PM	11	13	6 days Test1,Tes	st2,Test3	\$0.00	\$27,600.00	640 hrs 8 days	15 days			*	0%
		4	Confidence Milestone		0 days	1/3/25 5:00 PM	1/3/25 5:00 PM	2,12	14	6 days		\$0.00	\$0.00	0 hrs 0 days	0 days				₹1/
-	*	5	Commitment Milestone		0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	13		0 days		\$0.00	\$0.00	0 hrs 0 days	0 days				•
														date this N			•		
													what t	ne Team sha	ould be	Worki	ng to		

is considered a good "Target" for the Team to Work toward Achieving.

However, we are most concerned about how we are performing to the **Commit** Schedule.

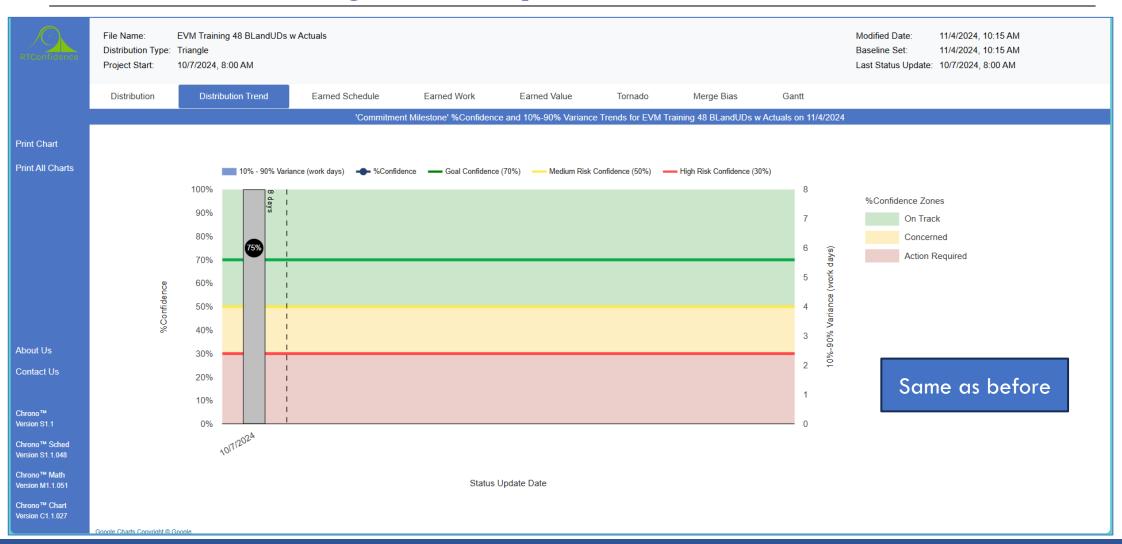
SRA Simulation Output Display Result of Setting the Project Baseline



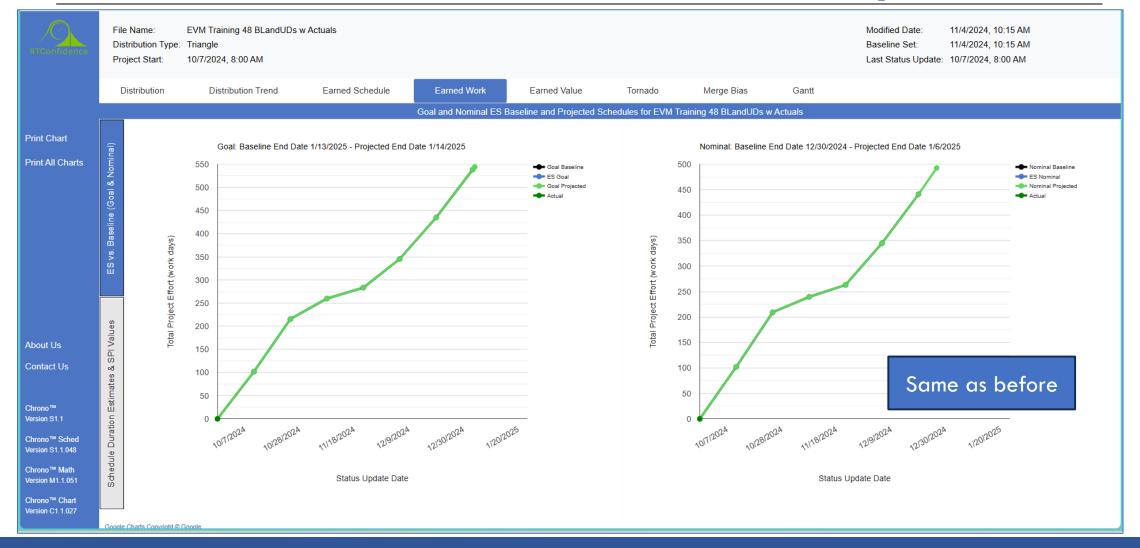


SRA Simulation Output Display Result of Setting the Project Baseline

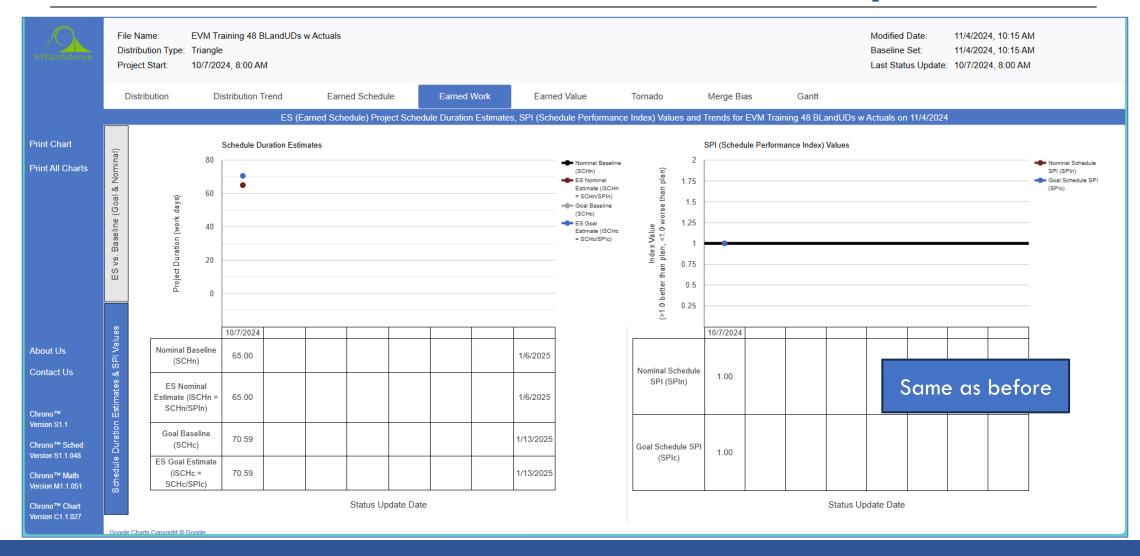




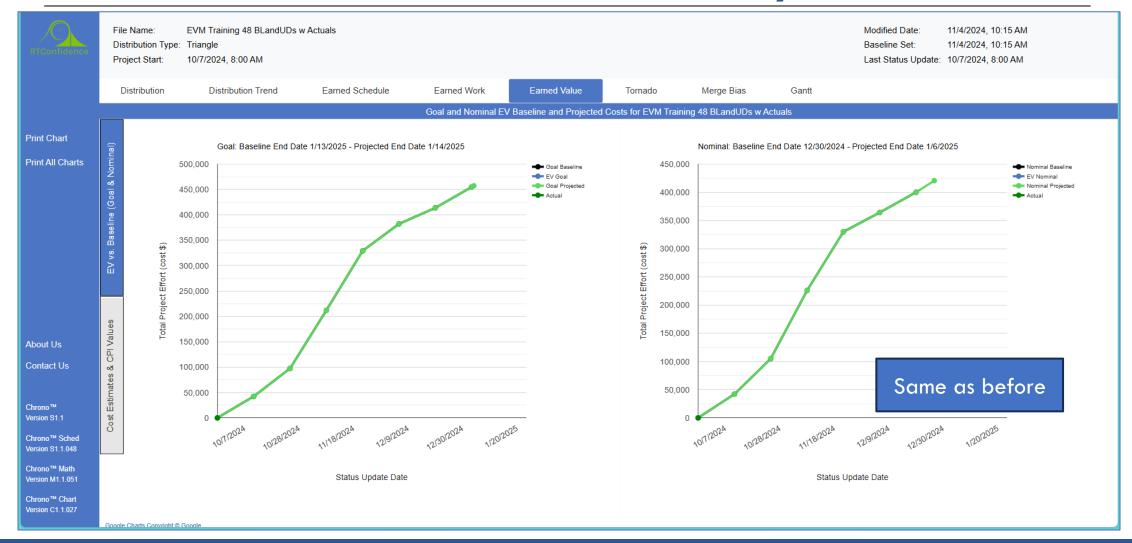
SRA Simulation Output Display Confidence EVM Schedule Metrics – are Automatically Calculated



SRA Simulation Output Display Confidence EVM Schedule Metrics – are Automatically Calculated



SRA Simulation Output Display **EVM Cost Metrics – are Automatically Calculated**

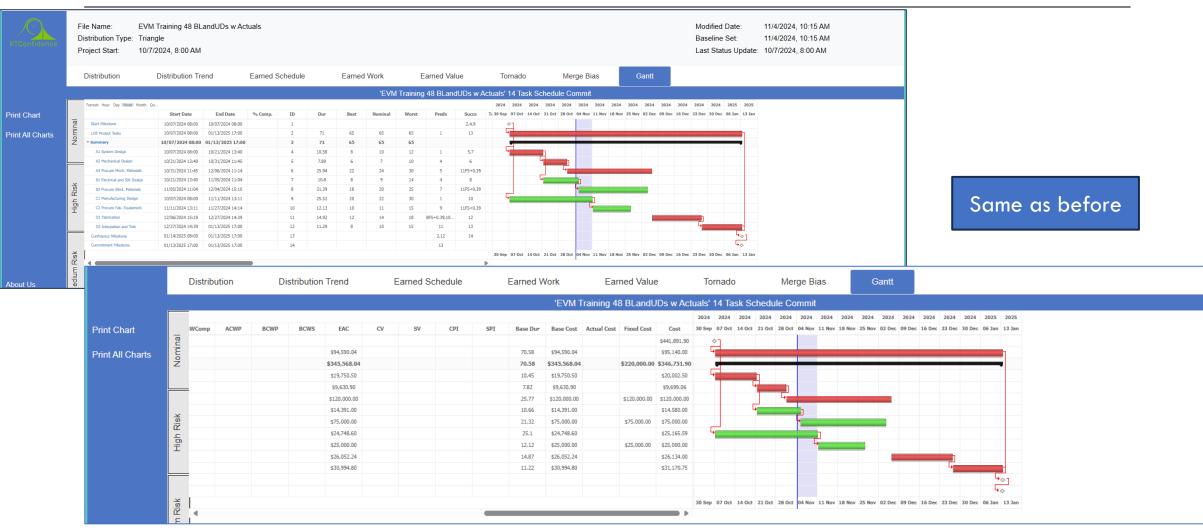


SRA Simulation Output Display Confidence EVM Cost Metrics – are Automatically Calculated

RTConfidence		oution Type: Triang	Fraining 48 E Ile 2024, 8:00 Al		w Actuals												Modified Baseline Last Stat	Set:		4, 10:15 A 4, 10:15 A 4, 8:00 AM	М	
	Distr	ribution	Distribution	Frend	Earne	ed Schedul	e	Earned Wo	ork Ear	ned Value	Tornado		Merge Bi	ias	Gantt							
					EV (E	arned Valu	e) Project	Cost Estimat	es, CPI (Cost Per	ormance Index) Va	lues and Tre	nds for I	EVM Train	ing 48 BL	andUDs w /	Actuals on	11/4/2024					
Print Chart	÷		Cost Estima	ites									CPI (Cost F	Performanc	e Index) Valu	es						
Print All Charts	EV vs. Baseline (Goal & Nominal)	500,000 400,000 ts 200,000 ts 200,000 ts Le 100,000	•							 Nominal Baseline (CSTn) EV Nominal Estimate (ICSTn) Goal Baseline (CSTo) EV Goal Estimate (ICSTo = CSTo(CPIo) 	Index Value (>1.0 better than plan, <1.0 worse than plan)	2 1.75 1.5 1.25 1 0.75 0.5 0.25									 Nomina (CPin) Goal Cr (CPic) 	
	Values		10/7/2024							-			10/7/2024									
About Us	6 B	Nominal Baseline (CSTn)	\$420,580						1/6/2025		Nominal C	Cost CPI										
Contact Us Chrono™	t Estimates &	EV Nominal Estimate (iCSTn CSTn/CPIn)	= \$420,580						1/6/2025		(CPI		1.00				S	ame	as l	oefo	re	
Version S1.1 Chrono™ Sched	Cost	Goal Baseline (CSTc)	\$457,309						1/13/202	5	Goal Co	st CPI										
Version S1.1.048 Chrono™ Math		EV Goal Estimate (iCSTc =	\$457,309						1/13/202	5	(CPI	lc)	1.00									
Version M1.1.051		CSTc/CPIc)				Otativa I.	data Dat									01-1						
Chrono™ Chart Version C1.1.027	Google Cha	arts Copyright © Google				Status Up	oate Date									Status Up	pdate Date					

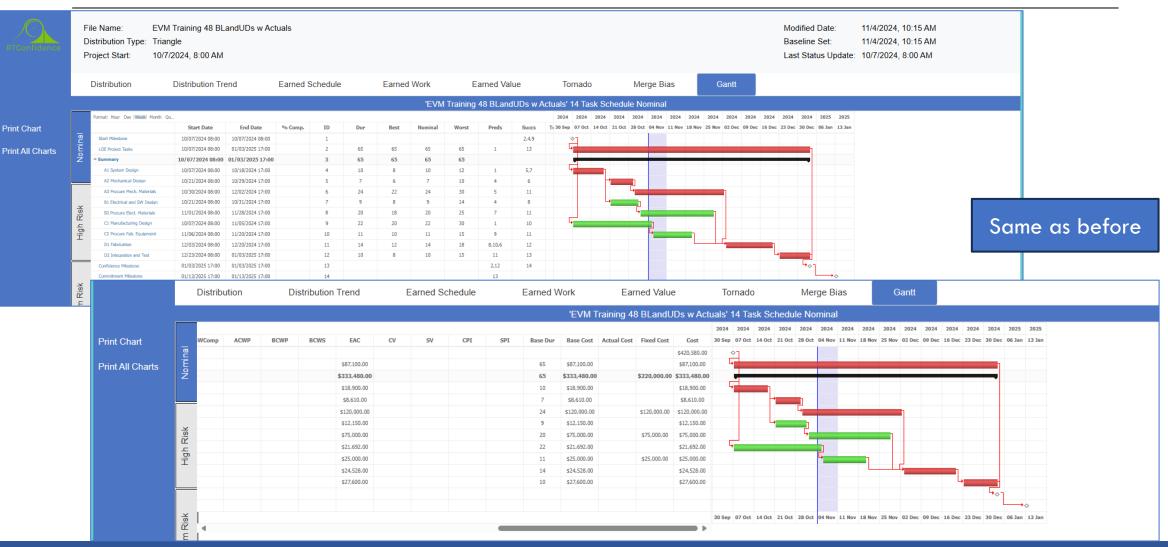
Post Baseline Simulation Outputs **EVM Metrics – Commitment Plan**



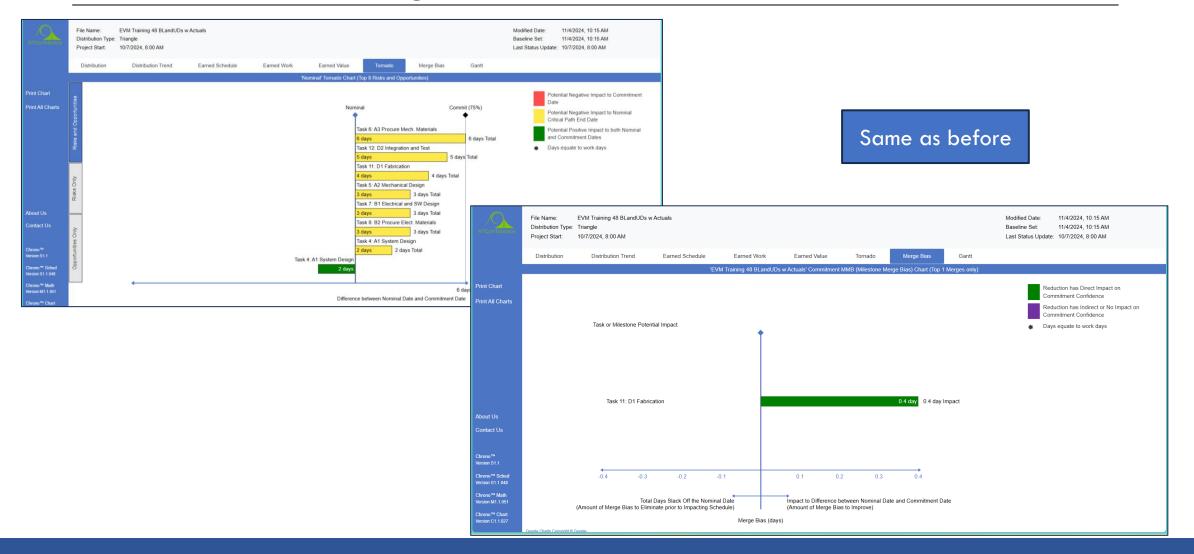


Post Baseline Simulation Outputs **EVM Metrics – Nominal Plan**





Post Baseline Simulation Outputs Confidence Tornado and Merge Bias Charts Prioritize Risks



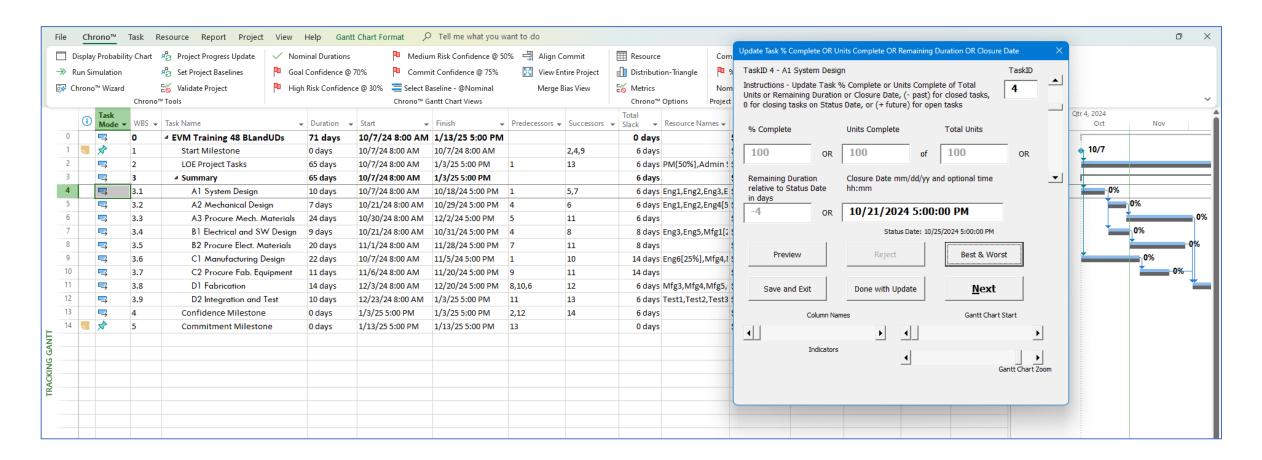
Project Progress Update Reference Scenario (for 1st Update), with Actual Cost Update

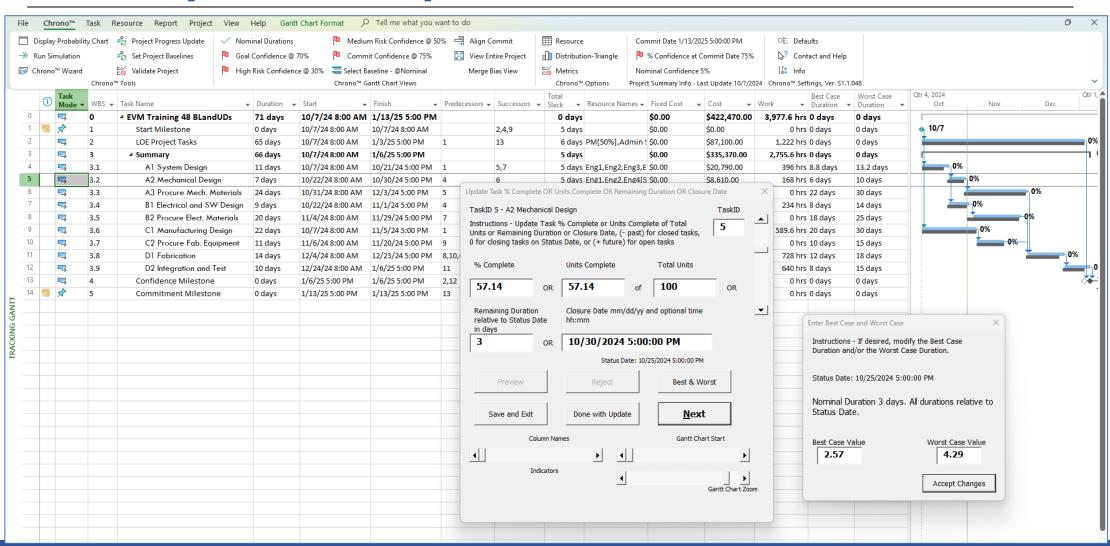
First Project Progress Update (Friday, 10/25/2024)

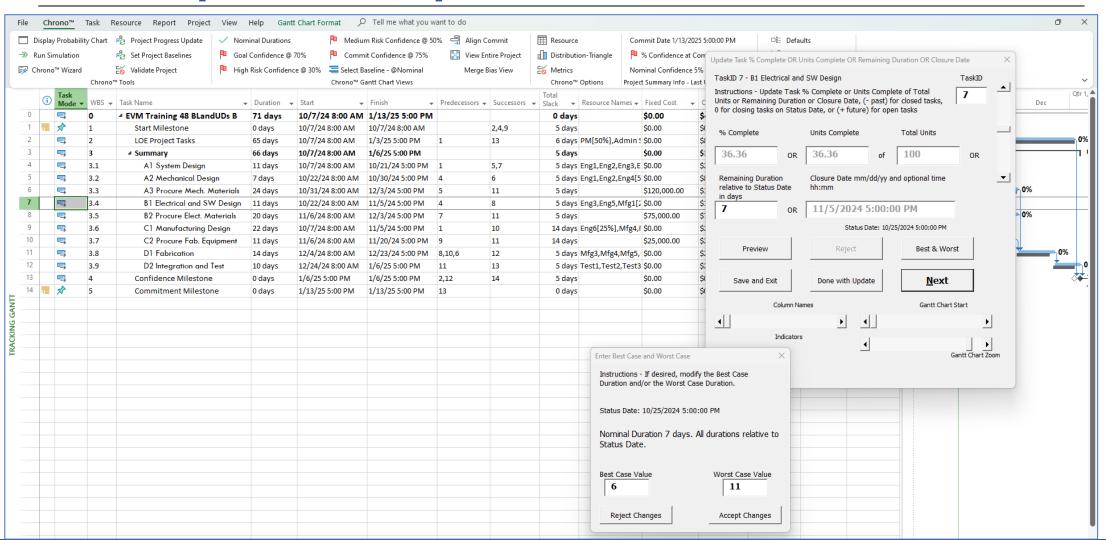
- Task A1 (TaskID 4) pushed out 1 day (change Closure Date and Time to 10/21/2024 5:00PM), then Next, and Next.
- 2) Task A2 (TaskID 5) is on track with remaining Duration of 3 work days, Next, then Accept Changes to the revised Best Case and Worst Case duration Values (2.57 and 4.29 days from the Status Update date).
- 3) Task B1 (TaskID 7) is expected to push out 2 more days (Change Remaining Duration from 5 to 7), Next, then Next again and change BC and WC (BC = 6 and WC = 11), Accept Changes.
- 4) Task C1 (ID 9) in on track Next, and Accept the BC and WC changes (BC = 6.36 and WC = 9.55), Accept Changes.
- 5) Select "3. Preview" and notice that the Commitment Confidence from the updated Distribution chart (below) has only gone down to 59%. This is acceptable to the team.

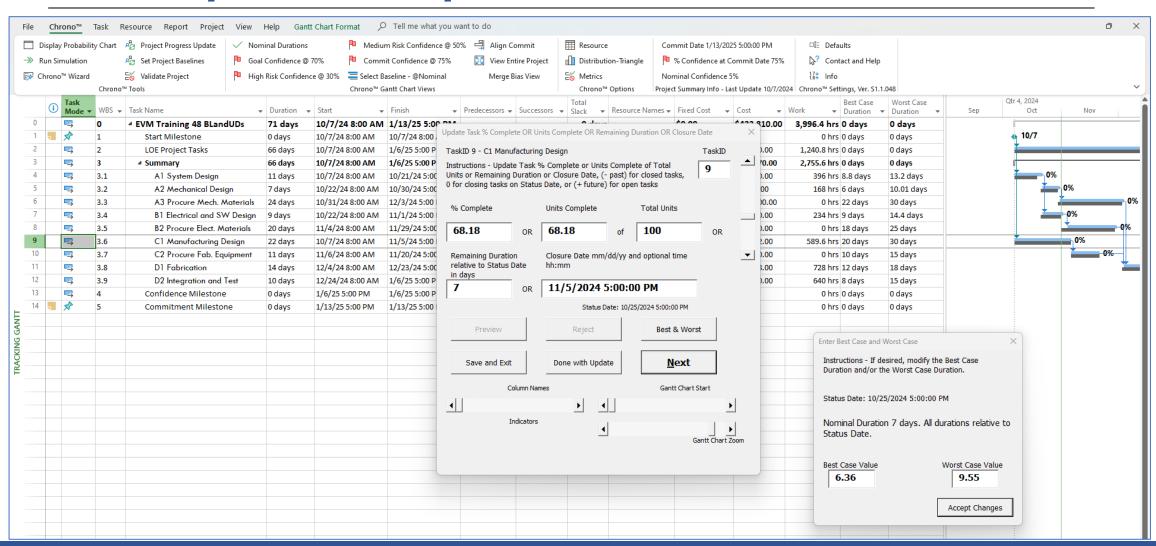
Before Publishing we are going to update the Actual Costs from the Organization's Financial System

- In this case the only change is to Task ID 4 (A1 System Design) for it is the only completed task (and you can only change the Actual Cost after the task is 100% completed). The projected costs (based on original estimates) was \$20,790.00, and the Actual Costs from the Financial System is \$22,215.00. To make this change, it is important to change the current amount in the Nominal Gantt chart, making sure that you select "Enter" when you are finished. This is Cost change of (+\$1,425). (Note: you can only make these changes while in the "Nominal Durations" Gantt chart view).
- 6) Select "4. Publish" and see the Update #1 ChronoView Outputs that follow.

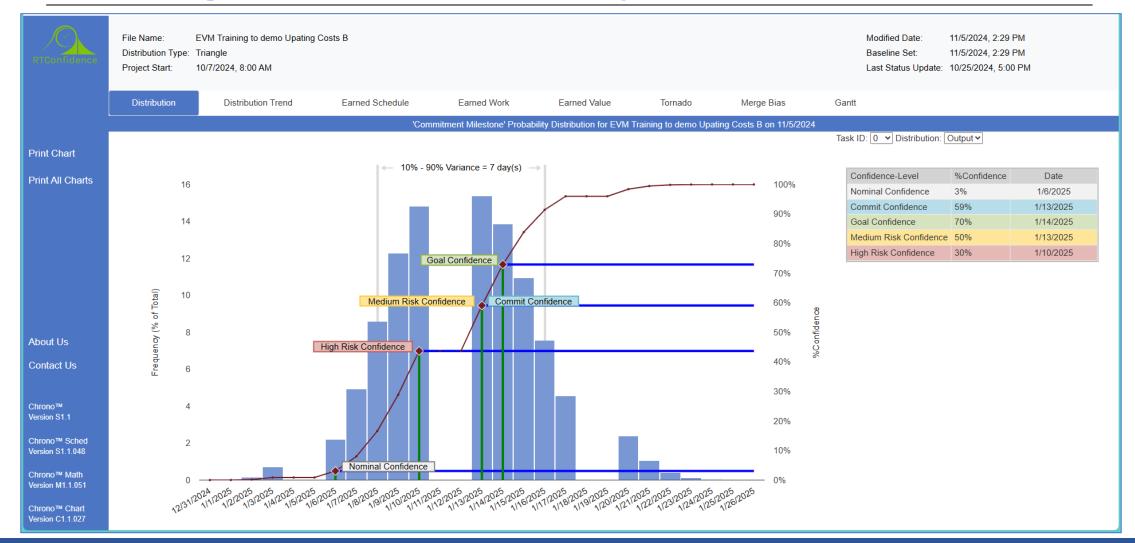




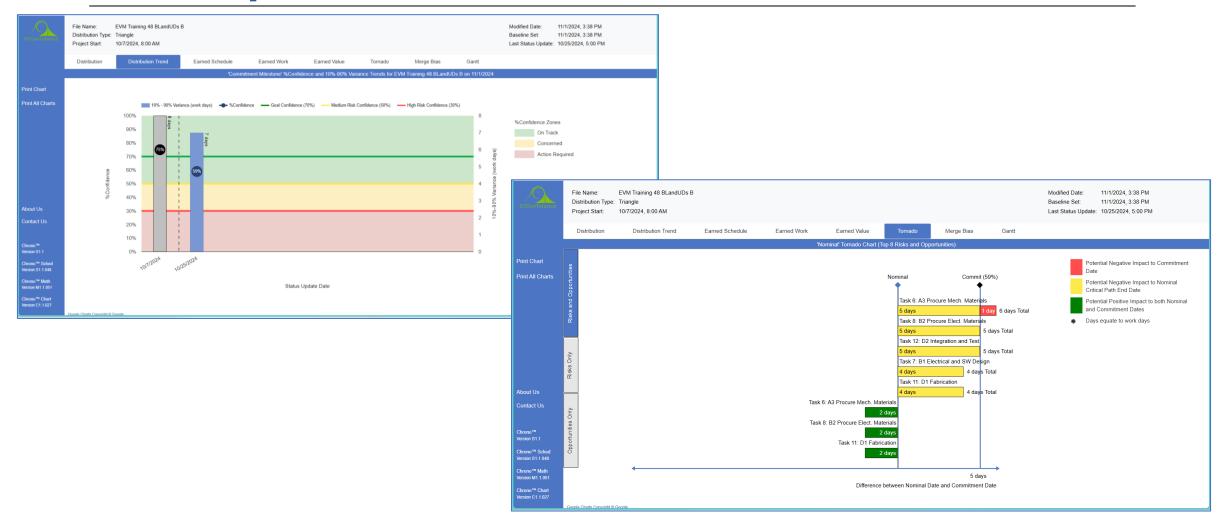




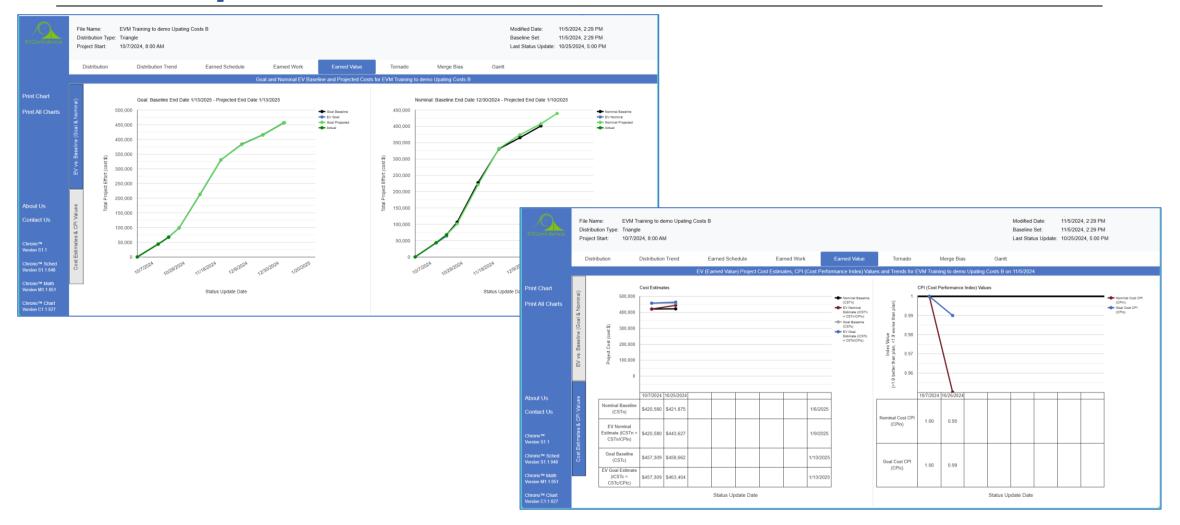
Project Progress Update Reference Status Update #1 Previewed/Published Distribution



Project Progress Update Reference Status Update #1 Published Trend & Tornado Charts



Project Progress Update Reference Confidence Status Update #1 Published Cost EV & CPI Charts



Project Progress Update Reference Status Update #1 Published Schedule EW & SPI Charts



Project Progress Update Reference Status Update #1 Published Commit Sch. & Cost Charts

	tribu	ame: ution Type t Start:	: Triang			ting Costs E	3																	E	/lodifie 3aselir .ast St	ie Set	t:	11	/5/2024 /5/2024)/25/202
0	Distr	ribution		Distributio	n Trend	E	Earned Sc	hedule	E	Earned Wo	rk	Earne	d Value		То	ornado)		Mer	ge Bia	s		Ga	intt					
										'EVM	l Training t	o demo Up	oating Cos	ts B' 1	4 Tasl	k Sch	edule	Comm	nit										
														2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025
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													\$441,491.12	<															
	0	\$20,223.62	\$20,100.00	\$94,015.54	\$123.62	\$123.62	1.0061	1.0061	70.58	\$94,590.04	\$20,341.00		\$95,140.00	4				_											21.38%
- 2	\$	\$40,924.05	\$46,590.00			-\$5,665.95	0.8783	0.8666	70.58			\$221,425.00			-													-	24.25%
00		\$18,325.50	\$18,900.00	\$23,684.68	-\$3,889.50	-\$574.50	0.9696	0.8249	10.45	\$19,750.50	\$22,215.00	1,425.00	\$22,215.00	4			100%		_										
0)	\$5,242.47	\$6,150.00	\$10,056.02	\$334.77	-\$907.53	0.8524	1.0682	7.82	\$9,630.90	\$4,908.00		\$9,012.31				-	54.4	13%										
				\$120,000.00					25.77	\$120,000.00		\$120,000.00	\$120,000.00		_			-											
)	\$4,705.89	\$6,750.00	\$19,239.43	-\$640.11	-\$2,044.11	0.6971	0.8802	10.66	\$14,391.00	\$5,346.00		\$16,346.25		_		'	_	32.7	7%									
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Project Progress Update Reference Status Update #1 Published Nominal Sch. & Cost Charts

Distri	Name: ibution Typ ect Start:	e: Triang	raining to d le 024, 8:00 A		ing Costs E	3																В	aselir	ed Date: ne Set: tatus Up		11/5/202 11/5/202 10/25/20
Dis	stribution		Distributio	n Trend	E	Earned Sc	hedule	E	Earned Wo	rk	Earne	d Value		Torr	nado		Mei	rge Bia	as		Ga	ntt				
									'EVM	Training to	o demo Up	ating Cost														
		2.0110				CDT	677				F 10 1				024 2024											25 2025
10	BCWP	BCWS	EAC	CV	SV	CPI	SPI	Base Dur	Base Cost	Actual Cost	Fixed Cost	Cost \$427,935.00	30 Sep 07	OCE 14	+ UCE 21 UC	28 UCE	U4 NOV	11 NOV	18 1100	23 1100	UZ Dec	09 Dec	16 Dec	Z3 Dec 30	Dec Ub	Jan 13 Jan
	\$19,795,43	\$20,100.00	\$88,440.11	-\$304.57	-\$304.57	0.9848	0.9848	65	\$87,100.00	\$20,341.00		\$88,440.00	Ļ					_							12	3%
26	\$42,932.26		\$366,779.64	-\$4,287.00	-\$3,657.74	0.9092	0.9215	65		\$47,219.00	\$221,425.00		-				_	-								5.09%
00	\$18,900.00	\$18,900.00	\$22,215.00	-\$3,315.00		0.8508	1	10	\$18,900.00	\$22,215.00	\$1,425.00	\$22,215.00	F		1009	6										
0	\$4,907.70	\$6,150.00	\$8,610.00		-\$1,242.30	1	0.798	7	\$8,610.00	\$4,908.00		\$8,610.00			- G	56.9	9%									
			\$120,000.00					24	\$120,000.00		\$120,000.00	\$120,000.00				•		-								
0	\$4,374.00	\$6,750.00	\$14,850.00	-\$972.00	-\$2,376.00	0.8182	0.648	9	\$12,150.00	\$5,346.00		\$14,850.00			•	_	36%									
0			\$75,000.00					20	\$75,000.00		\$75,000.00	\$75,000.00					4	_								
56	\$14,750.56	\$14,790.00	\$21,692.00		-\$39.44	1	0.9973	22	\$21,692.00	\$14,751.00		\$21,692.00	-				68%									
-			\$25,000.00					11	\$25,000.00		\$25,000.00	\$25,000.00					4	-								
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													30 Sep 07	Oct 14	0ct 21 0c	t 28 Oct	04 Nov	11 Nov	18 Nov	25 Nov	02 Dec	09 Dec	16 Dec	23 Dec 30	Dec 06	Jan 13 Jan

Project Progress Update Reference Post Status Update #1 Changing the Cost to Actual Costs

Run Simulation		Poroject Progress Update Vomini Poroject Baselines Goal Col	al Durations nfidence @ 70%	Medium Risk C Commit Confi	Confidence @ 50% 🗐 dence @ 84%	Align Commit View Entire Project	Resource		nit Date 1/13/2025 5:00:00 Pf ifidence at Commit Date 84'		aults stact and Help		Note 1. Insert the
Chrono [™] Wizare			sk Confidence @ 30		_	Merge Bias View	Metrics	2	nal Confidence 16%	17* Infe			
CITOTIO WIZan		eo validate rioject riigirkis	k connuence @ 50	Chrono™ Gantt Ch		werge blas view	Chrono [™] Optior		mary Info - Last Update 11/2			×	" 'Actual Cost" colun
Task Mode	wrs .		✓ Duration ✓	- Start -	Finish 👻	Predecessors - Succe	sors - Fixed Cost	Cost -	Total Slack - Actual Cost -		Oct '24 Nov '24	Dec '24 Jan '25	
0	0	EVM Training Gold PreBL retry	71 days	10/7/24 8:00 AM			\$0.00	\$430,125.00	0 days \$321,235.00			73%	as shown above.
1 🗸 🖈	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM	2,4,9	\$0.00	\$0.00	0 days \$0.00	0 days	♠ 10/7		
2 📑	2	LOE Project Tasks	67 days	10/7/24 8:00 AM	1/7/25 5:00 PM	1 13	\$0.00	\$89,780.00	4 days \$53,868.00	0 days	-	60%	
3 📑	3	✓ Summary	67 days	10/7/24 8:00 AM	1/7/25 5:00 PM		\$0.00	\$340,345.00	4 days \$267,367.00	0 days		79%	
4 🗸 🛒	3.1	A1 System Design	11 days	10/7/24 8:00 AM	10/21/24 5:00 PM	1 5,7	\$1,425.00	\$22,215.00	0days \$22,215.00	8.8 lays	100%		Note 2. Replace t
5 🗸 🖳	3.2	A2 Mechanical Design	7 days		10/30/24 5:00 PM		\$0.00	\$8,610.00	0 days \$8,610.00	6 days	100%		
6 📑	3.3	A3 Procure Mech. Materials	24 days		12/3/24 5:00 PM		\$120,000.00	\$120,000.00	5 days \$110,400.00			92%	cost in row 4
7 🗸 🔜	3.4	B1 Electrical and SW Design	12 days		11/6/24 5:00 PM		\$0.00	\$16,200.00	0 days \$16,200.00	10.29 days	100%		
8	3.5	B2 Procure Elect. Materials	20 days	11/7/24 8:00 AM	12/4/24 5:00 PM		\$75,000.00	\$75,000.00	4 days \$63,750.00	20 days	100%	85%	(\$20,790.00) with
9 🗸 📑	3.6	C1 Manufacturing Design	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM		\$0.00	\$21,692.00	0 days \$21,692.00	19.99 days	100%	1000	(\$20,770.00) will
10 🗸 📑	3.7 3.8	C2 Procure Fab. Equipment	16 days	11/6/24 8:00 AM 12/5/24 8:00 AM	11/27/24 5:00 PM 9 12/24/24 5:00 PM 8		\$24,500.00	\$24,500.00 \$24,528.00	0 days \$24,500.00 4 days \$0.00	14.55 days 12 days		- 100 %	\$22,215.00.
12 🖳	3.8	D1 Fabrication D2 Integration and Test	14 days 10 days	12/25/24 8:00 AM	1/7/25 5:00 PM		\$0.00	\$24,528.00	4 days \$0.00	8 days		0%	
13 🖳	4	Confidence Milestone	0 days	1/7/25 5:00 PM	1/7/25 5:00 PM		\$0.00	\$0.00	4 days \$0.00	0 days		∧ 1/7	
14 📕 📌	5	Commitment Milestone	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM		\$0.00	\$0.00	0 days \$0.00	0 days			
													Note 3. Run the
													Simulation and not
1 Task Mode	wbs .			- Start -	Finish 🔶	Predecessors - Succe	sors 👻 Fixed Cost	Cost 👻	Total Slack - Actual Cost -		Oct '24 Nov '24	Dec '24 Jan '25 24 1 8 15 22 29 5 12 19	the changes to tha
											29 0 13 20 27 3 10 17		
) 📑	0	EVM Training Gold PreBL retry	71 days	10/7/24 8:00 AM	1/13/25 5:00 PN		\$0.00	\$443,064.68	0 days \$318,535.00			70%	antry in the Court
	0 1	EVM Training Gold PreBL retry Start Milestone	71 days 0 days		1/13/25 5:00 PN 10/7/24 8:00 AM	2,4,9	\$0.00 \$0.00				10/7		entry in the Gantt
	-							\$443,064.68	0 days \$318,535.00 0 days \$0.00	0 days		57%	
1 🗸 🖈 2 📑	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM	1 13	\$0.00	\$443,064.68 \$0.00	0 days \$318,535.00 0 days \$0.00 0 days \$53,868.00 0 days \$264,667.00	0 days 0 days 0 days 0 days 0 days	10/7	70%	entry in the Gantt charts.
1 ✓ ✓ 2 Image: Constraint of the second sec	1 2 3 3.1	Start Milestone LOE Project Tasks Summary A1 System Design	0 days 71 days 71 days 11 days	10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM	10/7/24 8:00 AM 1/13/25 5:00 PM 1/13/25 5:00 PM 10/21/24 5:00 PM	1 13 1 5,7	\$0.00 \$0.00 \$0.00 \$1,425.00	\$443,064.68 \$0.00 \$95,140.00 \$347,924.68 \$22,215.00	0 days \$318,535.00 0 days \$0.00 0 days \$53,868.00	0 days 0 days 0 days 0 days 0 days	● 10/7 100%	57%	
1 ✓ ✓ 2 Important 3 Important 4 ✓ Important 5 ✓ Important	1 2 3 3.1 3.2	Start Milestone LOE Project Tasks Summary A1 System Design A2 Mechanical Design	0 days 71 days 71 days 11 days 7 days 7 days	10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/22/24 8:00 AM	10/7/24 8:00 AM 1/13/25 5:00 PM 1/13/25 5:00 PM 10/21/24 5:00 PM 10/30/24 5:00 PM	1 13 1 5,7 4 6	\$0.00 \$0.00 \$0.00 \$1,425.00 \$0.00	\$443,064.68 \$0.00 \$95,140.00 \$347,924.68 \$22,215.00 \$8,610.00	0 days \$318,535.00 0 days \$0.00 0 days \$53,868.00 0 days \$264,667.00 0 days \$22,215.00 0 days \$3,610.06	0 days 0 days 0 days 0 days 8.8 lays 6 days	10/7	57%	
1 ✓ ✓ 2 □ □ 3 □ □ 4 ✓ □ □ 5 ✓ □ □ 6 □ □ □	1 2 3 3.1 3.2 3.3	Start Milestone LOE Project Tasks Summary A1 System Design A2 Mechanical Design A3 Procure Mech. Materials	0 days 71 days 71 days 11 days 7 days 24.26 days	10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/2/24 8:00 AM 10/2/24 8:00 AM 10/31/24 8:00 AM	10/7/24 8:00 AM 1/13/25 5:00 PM 1/13/25 5:00 PM 10/21/24 5:00 PM 10/30/24 5:00 PM 12/4/24 10:05 AM	1 13 1 5,7 4 6 5 11	\$0.00 \$0.00 \$0.00 \$1,425.00 \$0.00 \$120,000.00	\$443,064.68 \$0.00 \$95,140.00 \$347,924.68 \$22,215.00 \$8,610.00 \$120,000.00	0 days \$318,535.00 0 days \$0.00 0 days \$53,868.00 0 days \$254,667.00 0 days \$22,215.00 0 days \$25,910.00 1.34 days \$109,200.00	0 days 0 days 0 days 0 days 8.8 1ays 6 days 21.95 days	10/7	57%	charts.
Image: 1 Image: 2 Image: 3 2 Image: 3 Image: 3 3 Image: 3 Image: 3 4 Image: 4 Image: 3 5 Image: 4 Image: 3 6 Image: 3 7 Image: 4	1 2 3 3.1 3.2 3.3 3.4	Start Milestone LOE Project Tasks Summary A1 System Design A2 Mechanical Design A3 Procure Mech. Materials B1 Electrical and SW Design	0 days 71 days 71 days 11 days 7 days 24.26 days 12 days	10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/22/24 8:00 AM 10/31/24 8:00 AM 10/31/24 8:00 AM	10/7/24 8:00 AM 1/13/25 5:00 PM 1/13/25 5:00 PM 10/21/24 5:00 PM 10/30/24 5:00 PM 12/4/24 10:05 AM 11/6/24 5:00 PM	1 13 1 5,7 4 6 5 11 4 8	\$0.00 \$0.00 \$1,425.00 \$1,425.00 \$0.00 \$120,000.00 \$0.00	\$443,064.68 \$0.00 \$95,140.00 \$347,924.68 \$22,215.00 \$8,610.00 \$120,000.00 \$16,200.00	0 days \$318,535.00 0 days \$0.00 0 days \$53,868.00 0 days \$53,868.00 0 days \$264,667.00 0 days \$244,667.00 0 days \$244,667.00 0 days \$364,667.00 0 days \$364,667.00 0 days \$364,667.00 1.34 days \$109,200.00 0 days \$16,200.00	0 days 0 days 0 days 0 days 8.8 ays 6 days 21.95 days 10.29 days	● 10/7 100%	57%	charts.
1 ✓ ✓ 2 ✓ ✓ 3 ✓ ✓ 4 ✓ ✓ ✓ 5 ✓ ✓ ✓ 6 ✓ ✓ ✓ 7 ✓ ✓ ✓ 8 ✓ ✓ ✓	1 2 3 3.1 3.2 3.3 3.4 3.5	Start Milestone LOE Project Tasks Summary A1 System Design A2 Mechanical Design A3 Procure Mech. Materials B1 Electrical and SW Design B2 Procure Elect. Materials	0 days 71 days 71 days 11 days 7 days 24.26 days 12 days 20.6 days	10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/22/24 8:00 AM 10/31/24 8:00 AM 10/22/24 8:00 AM 11/7/24 8:00 AM	10/7/24 8:00 AM 1/13/25 5:00 PM 1/13/25 5:00 PM 10/21/24 5:00 PM 10/30/24 5:00 PM 12/4/24 10:05 AM 11/6/24 5:00 PM 12/5/24 1:48 PM	1 13 1 5,7 4 6 5 11 4 8 7 11	\$0.00 \$0.00 \$1,425.00 \$120,000.00 \$0.00 \$0.00 \$75,000.00	\$443,064.68 \$0.00 \$95,140.00 \$347,924.68 \$22,215.00 \$8,610.00 \$120,000.00 \$16,200.00 \$75,000.00	0 days \$318,535.00 0 days \$0.00 0 days \$53,868.00 0 days \$244,657.00 0 days \$22,215.00 0 days \$50,618.00 1 days \$109,200.00 0 days \$16,200.00 0 days \$26,250.00	0 days 0 days 0 days 0 days 8.8 ays 6 days 21.95 days 10.29 days 20 days	10/7 100% 100%	57%	charts. Note 4. Proceed w
1 ✓ ✓ 2 3 5 ✓ 7 ✓ 8	1 2 3 3.1 3.2 3.3 3.4 3.5 3.6	Start Milestone LOE Project Tasks Summary A1 System Design A2 Mechanical Design A3 Procure Mech. Materials B1 Electrical and SW Design B2 Procure Elect. Materials C1 Manufacturing Design	0 days 71 days 71 days 11 days 7 days 24.26 days 12 days 20.6 days 22 days	10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/21/24 8:00 AM 10/31/24 8:00 AM 10/22/24 8:00 AM 11/7/24 8:00 AM	10/7/24 8:00 AM 1/13/25 5:00 PM 1/13/25 5:00 PM 10/21/24 5:00 PM 10/30/24 5:00 PM 12/4/24 10:05 AM 11/6/24 5:00 PM 12/5/24 1:48 PM 11/5/24 5:00 PM	1 13 1 5,7 4 6 5 11 4 8 7 11 1 0	\$0.00 \$0.00 \$1,425.00 \$120,000.00 \$0.00 \$75,000.00 \$0.00	\$443,064.68 \$0.00 \$95,140.00 \$347,924.68 \$22,215.00 \$8,610.00 \$120,000.00 \$16,200.00 \$75,000.00 \$21,692.00	0 days \$318,535.00 0 days \$0.00 0 days \$53,868.00 0 days \$254,657.00 0 days \$252,215.00 0 days \$3,858.00 1.34 days \$109,200.00 0 days \$16,200.00 0 days \$62,250.00 0 days \$264,250.00 0 days \$216,200.00	0 days 0 days 0 days 8.8 ays 6 days 21.95 days 10.29 days 20 days 19.99 days	10/7	57%	charts. Note 4. Proceed w
1 ✓ ✓ 2 3 4 ✓ 5 ✓ 7 ✓ 8 9 ✓ ✓	1 2 3 3.1 3.2 3.3 3.4 3.5 3.6 3.7	Start Milestone LOE Project Tasks Summary A1 System Design A2 Mechanical Design A3 Procure Mech. Materials B1 Electrical and SW Design B2 Procure Elect. Materials C1 Manufacturing Design C2 Procure Fab. Equipment	0 days 71 days 71 days 11 days 24.26 days 12 days 20.6 days 22 days 16 days	10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/22/24 8:00 AM 10/31/24 8:00 AM 11/2/24 8:00 AM 10/7/24 8:00 AM 11/6/24 8:00 AM	10/7/24 8:00 AM 1/13/25 5:00 PM 1/13/25 5:00 PM 10/21/24 5:00 PM 10/30/24 5:00 PM 12/4/24 10:05 AM 11/6/24 5:00 PM 11/5/24 5:00 PM 11/27/24 5:00 PM	1 13 1 5,7 4 6 5 11 4 8 7 11 1 00 9 11	\$0.00 \$0.00 \$1,425.00 \$120,000.00 \$0.00 \$5,000 \$0.00 \$0.00 \$24,500.00	\$443,064.68 \$0.00 \$95,140.00 \$347,924.68 \$22,215.00 \$120,000.00 \$120,000.00 \$15,62,000.00 \$21,692.00 \$21,692.00 \$24,500.00	0 days \$318,535.00 0 days \$0.00 0 days \$53,868.00 0 days \$53,868.00 0 days \$54,657.00 0 days \$52,215.00 0 days \$64,000 1.34 days \$109,200.00 0 days \$62,250.00 0 days \$62,250.00 0 days \$24,692.00 0 days \$24,500.00	0 days 0 days 0 days 0 days 8.8 ays 6 days 21.95 days 10.29 days 20 days 19.99 days 14.55 days	10/7 100% 100%	57%	charts.
1 ✓ ✓ 2 ✓ ✓ 3 ✓ ✓ 4 ✓ ✓ 5 ✓ ♥ 6 ✓ ♥ 9 ✓ ♥ 10 ✓ ♥	1 2 3 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8	Start Milestone LOE Project Tasks Summary A1 System Design A2 Mechanical Design A3 Procure Mech. Materials B1 Electrical and SW Design B2 Procure Elect. Materials C1 Manufacturing Design C2 Procure Fab. Equipment D1 Fabrication	0 days 71 days 71 days 11 days 7 days 24.26 days 20.6 days 20.6 days 22 days 16 days 15.79 days	10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/21/24 8:00 AM 10/31/24 8:00 AM 10/22/24 8:00 AM 10/7/24 8:00 AM 11/7/24 8:00 AM 11/6/24 8:00 AM	10/7/24 8:00 AM 1/13/25 5:00 PM 1/13/25 5:00 PM 10/21/24 5:00 PM 12/24/24 10:05 AM 11/6/24 5:00 PM 12/5/24 1:48 PM 11/5/24 5:00 PM 11/27/24 5:00 PM 12/27/24 11:07 AM	1 13 1 5,7 4 6 5 11 4 8 77 11 1 10 9 11 8,10,6 12	\$0.00 \$0.00 \$1,425.00 \$120,000.00 \$75,000.00 \$75,000.00 \$24,500.00 \$0.00	\$443,064.68 \$0.00 \$95,140.00 \$347,924.68 \$22,215.00 \$12,000.00 \$12,000.00 \$12,000.00 \$21,692.00 \$21,692.00 \$24,500.00 \$27,664.08	0 days \$318,535.00 0 days \$0.00 0 days \$53,868.00 0 days \$254,667.00 0 days \$22,215.00 0 days \$22,215.00 0 days \$109,200.00 0 days \$109,200.00 0 days \$16,200.00 0 days \$21,692.00 0 days \$24,500.00 0 days \$0.00	0 days 0 days 0 days 0 days 0 days 2 days 5 days 21.95 days 10.29 days 20 days 19.99 days 14.55 days 12 days	10/7 100% 100%	57%	charts. Note 4. Proceed w
1 ✓ ✓ 2 3 4 ✓ 5 ✓ 7 ✓ 8 9 ✓ ✓	1 2 3 3.1 3.2 3.3 3.4 3.5 3.6 3.7	Start Milestone LOE Project Tasks Summary A1 System Design A2 Mechanical Design A3 Procure Mech. Materials B1 Electrical and SW Design B2 Procure Elect. Materials C1 Manufacturing Design C2 Procure Fab. Equipment	0 days 71 days 71 days 11 days 24.26 days 12 days 20.6 days 22 days 16 days	10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/7/24 8:00 AM 10/21/24 8:00 AM 10/31/24 8:00 AM 10/22/24 8:00 AM 10/7/24 8:00 AM 11/7/24 8:00 AM 11/6/24 8:00 AM	10/7/24 8:00 AM 1/13/25 5:00 PM 1/13/25 5:00 PM 10/21/24 5:00 PM 10/30/24 5:00 PM 12/4/24 10:05 AM 11/6/24 5:00 PM 11/5/24 5:00 PM 11/27/24 5:00 PM	1 13 1 5,7 4 6 5 11 4 8 7 11 1 10 9 11 8,10,6 12 11 13	\$0.00 \$0.00 \$1,425.00 \$120,000.00 \$0.00 \$5,000 \$0.00 \$0.00 \$24,500.00	\$443,064.68 \$0.00 \$95,140.00 \$347,924.68 \$22,215.00 \$120,000.00 \$120,000.00 \$154,200.00 \$75,000.00 \$21,692.00 \$24,500.00	0 days \$318,535.00 0 days \$0.00 0 days \$53,868.00 0 days \$53,868.00 0 days \$54,657.00 0 days \$52,215.00 0 days \$64,000 1.34 days \$109,200.00 0 days \$62,250.00 0 days \$62,250.00 0 days \$24,692.00 0 days \$24,500.00	0 days 0 days 0 days 0 days 8.8 ays 6 days 21.95 days 10.29 days 20 days 19.99 days 14.55 days	10/7 100% 100%	57%	charts. Note 4. Proceed w

Project Progress Update Reference Post Status Update #1 Changing Cost to Actual Costs

		Dist	tribution	I	Distribution	Trend	E	Earned Sc	hedule	E	arned Wor	k	Earned '	Value	T	ornado	Me	ge Bias		Gantt			
		1									Έ	VM Trainin	g Gold Pre			chedule Co							
int Chart			BCWP	BCWS	FAC	CV	SV	CPI	SPI	Base Dur	Base Cost	Actual Cost	Fixed Cost								Dec 23 Dec 30 D		
ni Ghan	a													441,491.12	¢٦								
nt All Charts	Nominal	00	\$20,223.62	\$20,100.00	\$94,015.54	\$123.62	\$123.62	1.0061	1.0061	70.58	\$94,590.04	\$20,341.00	:	\$95,140.00	-							21	1.38%
	Z	26	\$40,924.05	\$46,590.00	394,075.68	\$6,295.21	-\$5,665.95	0.8783	0.8666	70.58	\$345,568.01	\$47,219.00	221,425.00 \$3	346,351.12	-				_			24	4.25%
		00	\$18,325.50	\$18,900.00	\$23,684.68	-\$3,889.50	-\$574.50	0.9696	0.8249	10.45	\$19,550.50	\$22,215.00	\$1425.00	\$22,215.00	-	1009	6						
		0	\$5,242.47	\$6,150.00	\$10,056.02	\$334.77	-\$907.53	0.8524	1.0682	7.82	\$9,630.90	\$4,908.00		\$9,012.31			54.43%						
					\$120,000.00					25.77	\$120,000.00			120,000.00			•						
	Risk	0	\$4,705.89	\$6,750.00	\$19,239.43	-\$640.11	-\$2,044.11	0.6971	0.8802	10.66	\$14,391.00	\$5,346.00		\$16,346.25		7	32	7%					
	5		\$16,302.91	\$14,790.00	\$75,000.00 \$22,413.14	\$1,552.35	\$1,512.91	1.1022	1.1052	21.32	\$75,000.00	\$14,751.00		\$75,000.00			1658	bac.					
	High	50	\$10,502.51	\$14,750.00	\$25,000.00	\$1,552.55	\$1,512.51	1.1022	1.1052	12.12	\$25,000.00			\$25,000.00				070	-				
					\$26,052.24					14.87	\$26,052.24			\$25,816.45									
out Us	Risk				\$30,994.80					11.22	\$30,994.80		:	\$30,572.75	0 Sep 07 Oct	: 14 Oct 21 Oc	t 28 Oct 04 Nov	11 Nov 18 Nov	7 25 Nov 02 I	Dec 09 Dec 16	Dec 23 Dec 30 D	+\$] +\$ ec 06 Jan 13	Jan
out Us	ium Risk	Dis	tribution			n Trend		Earned S	chedule			prk		3	0 Sep 07 Oct				7 25 Nov 02 I		Dec 23 Dec 30 D	•◊	Jan
out Us	ium Risk		tribution		s30,994.80 Distributio	n Trend		Earned S	chedule		Earned We		Earne	d Value		Tornado	1	11 Nov 18 Nov Aerge Bias	7 25 Nov 02 I	Oec 09 Dec 16 Gantt	Dec 23 Dec 30 D	•◊	Jan
out Us	ium Risk		tribution			n Trend		Earned S	chedule		Earned We		Earne	d Value	' 14 Task	Tornado Schedule I	Nominal	/lerge Bias		Gantt	Dec 23 Dec 30 D	ec 06 Jan 13	
	ium Risk		tribution	BCWS		n Trend cv	SV	Earned S	chedule		Earned We	'EVM Trair	Earne	d Value	' 14 Task 2024 2	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024		ec 06 Jan 13	i 2025
	inal lum Risk			BCWS	Distributio					-	Earned We	'EVM Trair	Earne	3 d Value reBL retry	' 14 Task 2024 2	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024	2024 2024	ec 06 Jan 13	i 2025
t Chart	Vominal In Risk	Dis	BCWP \$19,795.43	\$20,100.00	Distributio	CV -\$304.57	SV -\$304.57	CPI 0.9848	SPI 0.9848	Base Dur 65	Earned Wo Base Cost \$87,100.00	EVM Trair	Earne ing Gold P Fixed Cost	3 d Value reBL retry 60st \$427,935.00 \$88,440.00	14 Task 2024 2 30 Sep 07	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024	2024 2024	2024 2025 30 Dec 06 Jan 23%	i 2025 n 13 Jan
ıt Chart	inal	Dis	BCWP \$19,795,43 \$42,932.26	\$20,100.00 \$46,590.00	Distributio EAC 588,440.11 \$366,779.64	CV -\$304.57 -\$4,287.00	SV	CPI 0.9848 0.9092	SPI 0.9848 0.9215	Base Dur 65 65	Earned We Base Cost \$87,100.00 \$333,480.00	CVM Train	Earne ing Gold P Fixed Cost	3 d Value reBL retry \$427,935.00 \$88,440.00 \$339,495.00	14 Task 2024 2 30 Sep 07	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024	2024 2024	ec 06 Jan 13	i 2025 n 13 Jan
nt Chart	inal	Dis	BCWP \$19,795.43 \$42,932.26 \$18,900.00	\$20,100.00 \$46,590.00 \$18,900.00	Distributio EAC \$88,440.11 \$366,779.64 \$22,215.00	CV -\$304.57	SV -\$304.57 -\$3,657.74	CPI 0.9848 0.9092 0.8508	SPI 0.9848 0.9215 1	Base Dur 65 65 65 10	Earned We Base Cost \$87,100.00 \$333,480 0 \$18,50.00	CVM Train	Earne ing Gold P Fixed Cost	3 d Value reBL retry \$427,935.00 \$88,440.00 \$339,495.00 \$22,215.00	14 Task 2024 2 30 Sep 07	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024	2024 2024	2024 2025 30 Dec 06 Jan 23%	i 2025 n 13 Jan
nt Chart	inal	Dis	BCWP \$19,795,43 \$42,932.26	\$20,100.00 \$46,590.00	Distributio	CV -\$304.57 -\$4,287.00	SV -\$304.57	CPI 0.9848 0.9092	SPI 0.9848 0.9215	Base Dur 65 65 10 7	Earned We Base Cost \$87,100.00 \$333,480 \$18,50,00 \$8,610.00	CVM Train	Earne ing Gold P Fixed Cost	3 d Value reBL retry \$427,935.00 \$88,440.00 \$339,495.00 \$339,495.00	14 Task 2024 2 30 Sep 07	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024	2024 2024	2024 2025 30 Dec 06 Jan 23%	i 2025 n 13 Jan
t Chart	Nominal	Dis	BCWP \$19,795.43 \$42,932.26 \$18,900.00 \$4,907.70	\$20,100.00 \$46,590.00 \$18,900.00 \$6,150.00	Distributio	CV -\$304.57 - \$4,287.00 -\$3,315.00	5V -\$304.57 -\$3,657.74 -\$1,242.30	CPI 0.9848 0.9092 0.8508	SPI 0.9848 0.9215 1	Base Dur 65 65 10 7 24	Earned We Base Cost \$7,100.00 \$333,480 (0 \$15,50.00 \$8,610.00 \$120,000.00	Actual Cost \$20,341.00 \$22,215.00 \$4,908.00	Earne ing Gold P Fixed Cost	3 d Value reBL retry \$427,935.00 \$88,440.00 \$339,495.00 \$339,495.00 \$339,495.00 \$322,215.00 \$8,610.00	14 Task 2024 2 30 Sep 07	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024	2024 2024	2024 2025 30 Dec 06 Jan 23%	i 2025 n 13 Jan
t Chart	Nominal	Dis	BCWP \$19,795.43 \$42,932.26 \$18,900.00	\$20,100.00 \$46,590.00 \$18,900.00	Distributio	CV -\$304.57 -\$4,287.00	SV -\$304.57 -\$3,657.74	CPI 0.9848 0.9092 0.8508 1	SPI 0.9848 0.9215 1 0.798	Base Dur 65 65 10 7	Earned We Base Cost \$87,100.00 \$333,480 \$18,50,00 \$8,610.00	Actual Cost \$20,341.00 \$22,215.00 \$4,908.00	Earne ing Gold P Fixed Cost	3 d Value reBL retry \$427,935.00 \$88,440.00 \$339,495.00 \$339,495.00	14 Task 2024 2 30 Sep 07	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024	2024 2024	2024 2025 30 Dec 06 Jan 23%	i 2025 n 13 Jan
ıt Chart	Risk Nominal Lum	Dis	BCWP \$19,795.43 \$42,932.26 \$18,900.00 \$4,907.70	\$20,100.00 \$46,590.00 \$18,900.00 \$6,150.00	EAC 588,440.11 5366,779.64 522,215.00 58,610.00 5120,000.00 514,850.00	CV -\$304.57 - \$4,287.00 -\$3,315.00	5V -\$304.57 -\$3,657.74 -\$1,242.30	CPI 0.9848 0.9092 0.8508 1	SPI 0.9848 0.9215 1 0.798	Base Dur 65 65 10 7 7 24 9	Base Cost 587,100.00 518,56.00 518,56.00 518,56.00 518,56.00 518,56.00 518,56.00 512,150.00	Actual Cost \$20,341.00 \$17,717,80 \$22,215.00 \$4,908.00 \$5,346.00	Earne ing Gold P Fixed Cost 5221,425.00 5225,00 5120,000.00	3 d Value reBL retry \$427,935.00 \$88,440.00 \$339,495.00 \$339,495.00 \$120,000.00 \$120,000.00 \$14,850.00	14 Task 2024 2 30 Sep 07	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024	2024 2024	2024 2025 30 Dec 06 Jan 23%	i 2025 n 13 Jan
nt Chart	Nominal	Dis	BCWP \$19,795,43 \$42,932.26 \$18,900.00 \$4,907.70 \$4,374.00	\$20,100.00 \$46,590.00 \$18,900.00 \$6,150.00 \$6,750.00	EAC 588,440.11 536,5779.64 522,215.00 58,610.00 512,000.00 575,000.00	CV -\$304.57 - \$4,287.00 -\$3,315.00	SV -\$304.57 -\$3,657.74 -\$1,242.30 -\$2,376.00	CPI 0.9848 0.9092 0.8508 1 0.8182	SPI 0.9848 0.9215 1 0.798 0.648	Base Dur 65 65 65 10 7 24 9 20	Earned We Base Cost \$7,100.00 \$333,480.00 \$18,50.00 \$120,000.00 \$120,000.00 \$121,2150.00 \$75,000.00	Actual Cost \$20,341.00 \$22,215.00 \$4,908.00 \$5,346.00	Earne ing Gold P Fixed Cost 5221,425.00 5225,00 5120,000.00	3 d Value reBL retry \$427,935.00 \$88,440.00 \$339,495.00 \$32,215.00 \$8,610.00 \$120,000.00 \$14,850.00 \$14,850.00	14 Task 2024 2 30 Sep 07	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024	2024 2024	2024 2025 30 Dec 06 Jan 23%	i 2025 n 13 Jan
out Us nt Chart nt All Charts	Risk Nominal Lum	Dis	BCWP \$19,795,43 \$42,932.26 \$18,900.00 \$4,907.70 \$4,374.00	\$20,100.00 \$46,590.00 \$18,900.00 \$6,150.00 \$6,750.00	Distributio	CV -\$304.57 - \$4,287.00 -\$3,315.00	SV -\$304.57 -\$3,657.74 -\$1,242.30 -\$2,376.00	CPI 0.9848 0.9092 0.8508 1 0.8182	SPI 0.9848 0.9215 1 0.798 0.648	Base Dur - - - - - - - - - - - - -	Base Cost 537,100.00 518,50.00 58,610.00 512,150.00 57,50.00 521,692.00	Actual Cost \$20,341.00 \$22,215.00 \$4,908.00 \$5,346.00	Earne ing Gold P Fixed Cost 5 221,425.00 5 221,425.00 5 221,425.00 5 25.00 5 25.00 5 25.00	3 d Value reBL retry \$427;95.00 \$88,440.00 \$339,495.00 \$120,000.00 \$14,850.00 \$124,950.00 \$14,850.00 \$21,692.00	14 Task 2024 2 30 Sep 07	Tornado Schedule I	Nominal 2024 2024 2	/lerge Bias	024 2024	Gantt 2024 2024	2024 2024	2024 2025 30 Dec 06 Jan 23%	i 2025 n 13 Jan

Note 1. The new "Actual" Cost Value is now recorded.

Note 2. The rippling affect of the Cost change has been made, but the other EV and EW charts remain the same. The changes will be in effect on the next progress project update.

Note 3. If you wish to see the change show up on the Update #1 charts you need to enter you "Publish" the Updated changes. We will do this in the second update.

Project Progress Update Reference Scenario Explanation (Second Update)



Second Project Progress Update (Friday, 11/29/2024)

- 1) Task A2 (TaskID 5) completed as planned (on 10/30/2024), Next.
- 2) Task A3 (TaskID 6) is on track with remaining Duration of 2 work days, Next, then Accept Changes to the revised Best Case and Worst Case duration Values (1.83 and 2.5 days).
- 3) Task B1 (TaskID 7) Completed 1 day later than expected (Change Remaining Duration from -18 to -17), Next, then Next again.
- 4) Task B2 (Task ID 8) in on track with remaining Duration of 3 work days, Next, and make BC and WC changes (BC = 3 and WC = 4), Accept Changes.
- 5) Task C1 (Task ID 9) completed to schedule Next.
- 6) Task C2 (Task ID 10) experienced some delays completed a week late. Change -7 work-days to -2 work-days, then Next, and Next.
- 7) Select "3. Preview" and notice that the Commitment Confidence from the updated Distribution chart has changed to 84% due to the retiring of project risks. This is obviously acceptable to the team.
- 8) Do not Select "4. Publish" until the cost changes in the next chart are made.

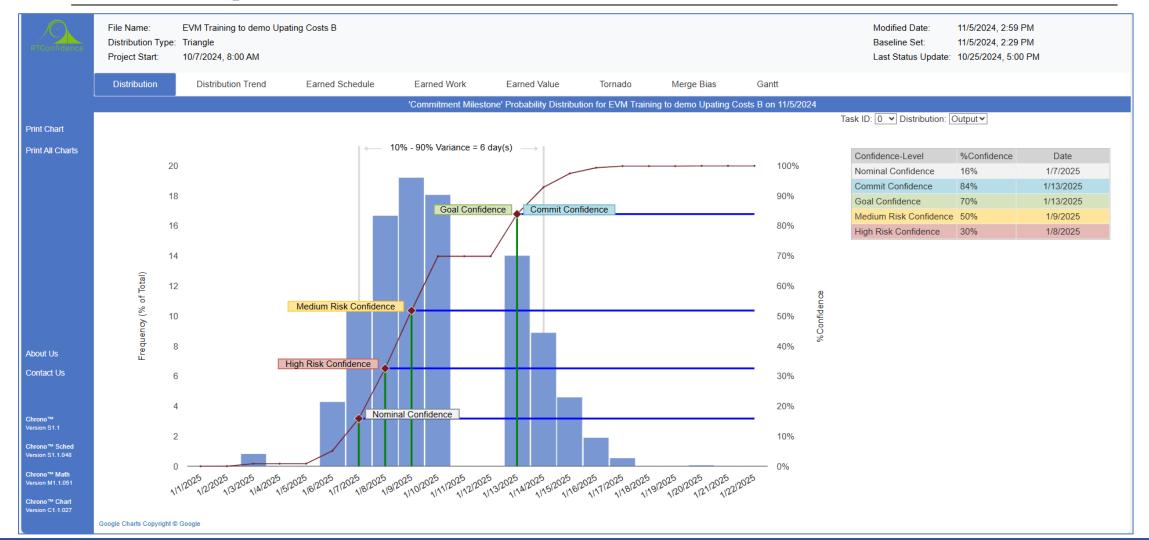
Project Progress Update Reference After Status Update #2 Changing Costs to Actual Costs

The following Tasks were completed prior to the Update date, and the corresponding Actual Costs were provided and entered prior to the "4. Publish" of this update. Here are the changes (you can only change the Actual Cost in the IMS "Nominal Durations view" after the task is completed):

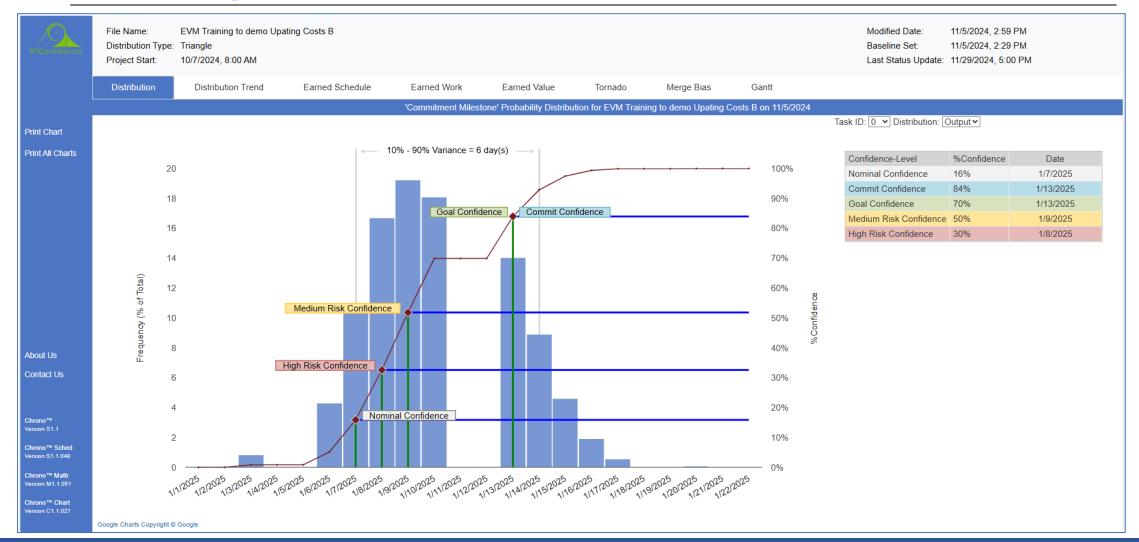
- Task ID 5 (A2 Mechanical Design) is completed. The projected costs (based on original estimates) was \$8,610.00, and the Actual Costs from the Financial System is \$8,915.00. The change in Cost (+\$305.00).
- 2. Task ID 7 (B1 Electrical and SW Design) is completed. The projected costs (based on original estimates) was \$16,200.00, and the Actual Costs from the Financial System is \$16,200.00. No change in Cost.
- Task ID 9 (C1 Manufacturing Design) is completed. The projected costs (based on original estimates was \$21,692.00, and the Actual Costs from the Financial System is \$24,792.00. Notice the change in Cost (+\$3,100.00).
- Task ID 10 (C2 Procure Fab. Equipment) is completed. The projected costs (based on original estimates) was \$25,000.00, and the Actual Costs from the Financial System is \$24,500.00. The change in Cost (+\$500.00).

After these changes are made, go back to Project Progress Update and "3. Preview", check the changes and then "4. Publish" the update to see the Update #2 ChronoView Outputs below.

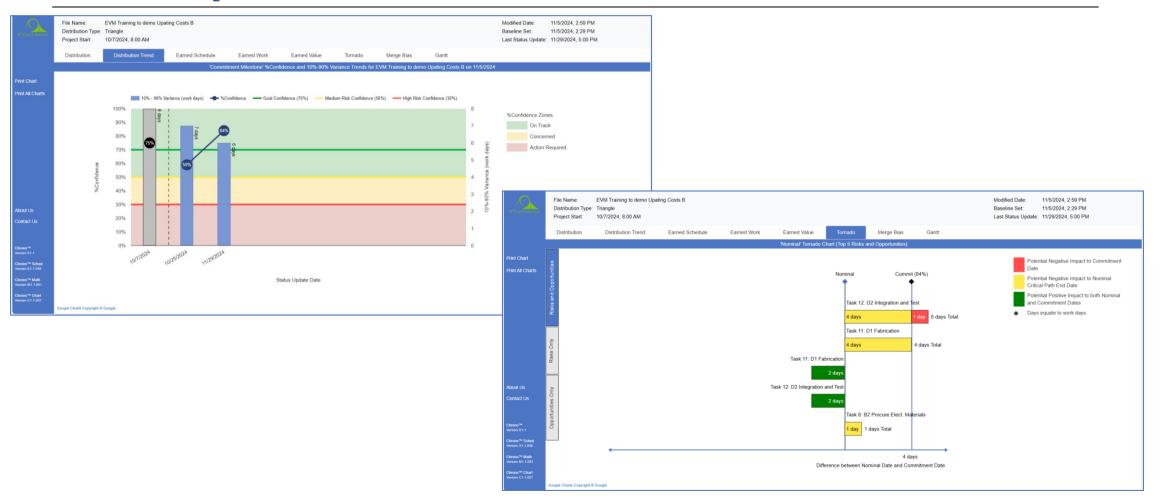
Project Progress Update Reference Status Update #2 Previewed Chrono Distribution



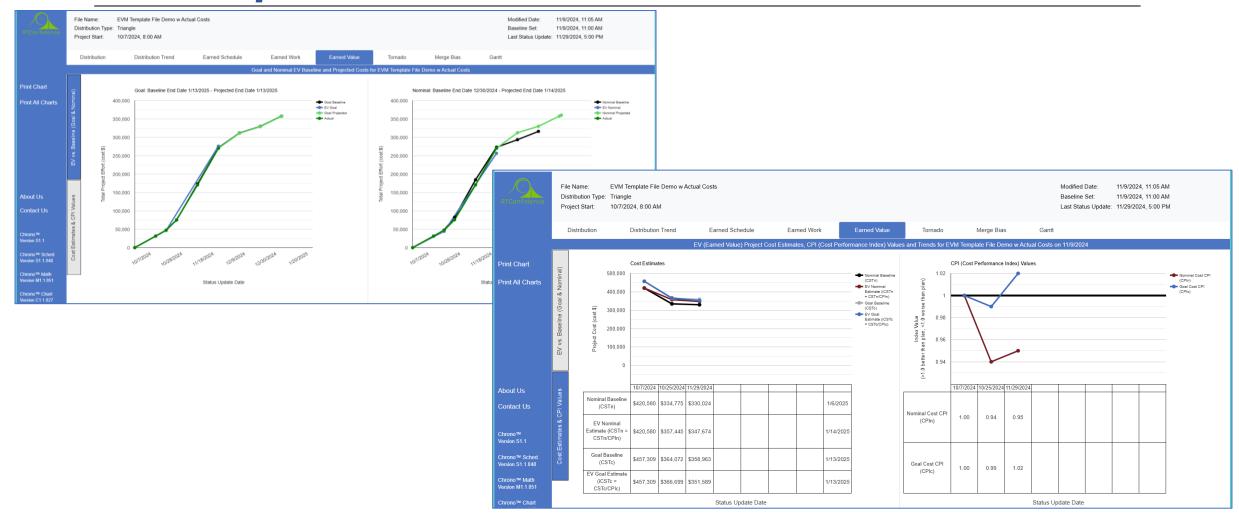
Project Progress Update Reference Status Update #2 Published Chrono Distribution



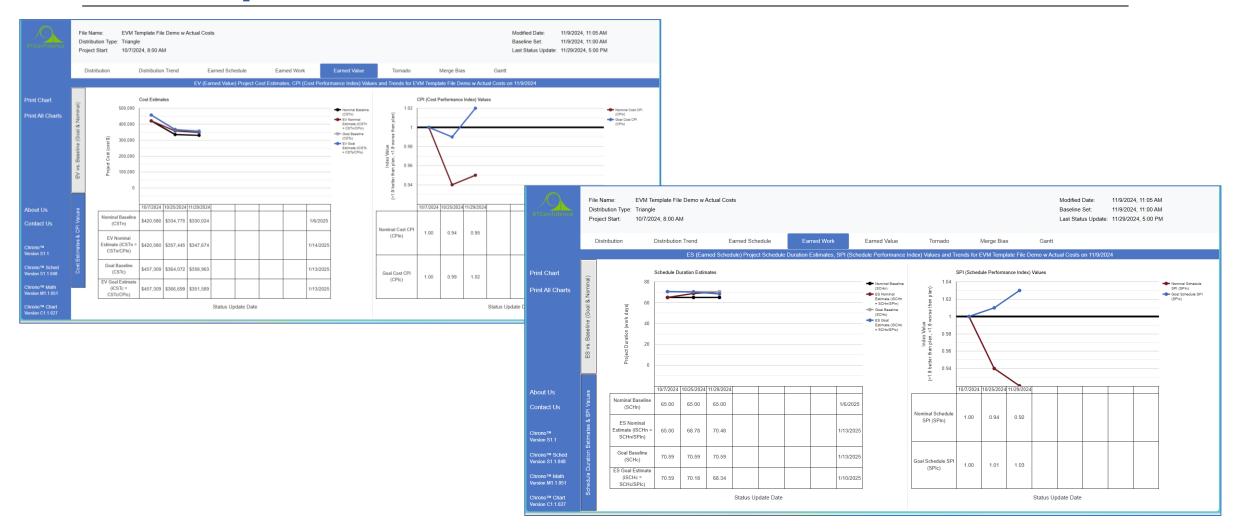
Project Progress Update Reference Status Update #2 Published Dist. Trend & Tornado Charts



Project Progress Update Reference Status Update #2 Published Cost EV & CPI Charts



Project Progress Update Reference Status Update #2 Published Schedule EW & SPI Charts



Project Progress Update Reference Status Update #2 Published Commit Sch. & Cost Charts

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Project Progress Update Reference Status Update #2 Published Nominal Sch. & Cost Charts

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Project Progress Update Reference Confidence Status Update #2 Changing Costs to Actual Costs

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Project Progress Update Reference Scenario Explanation (Third Update)

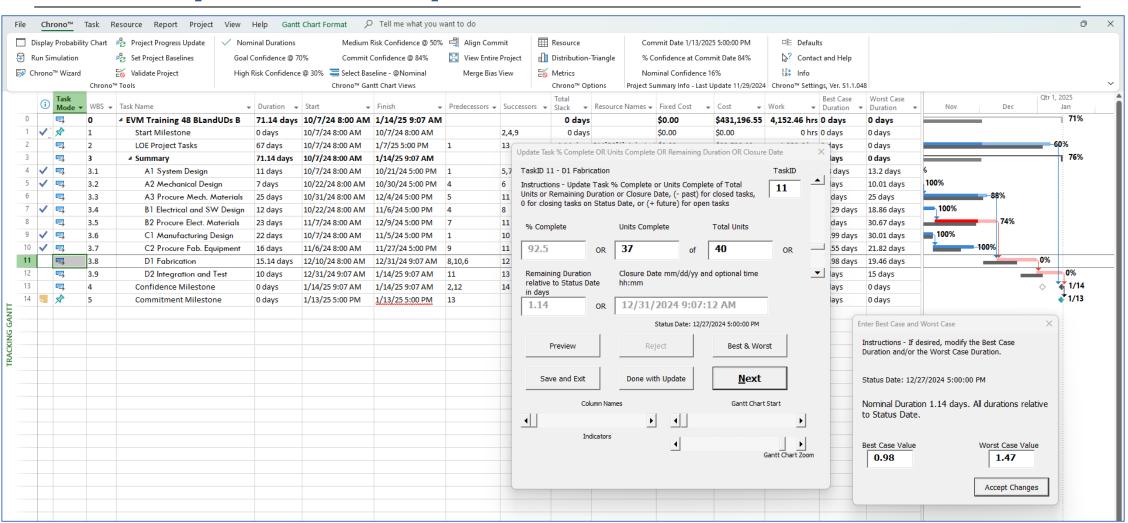


Third Project Progress Update (Friday, 12/27/2024)

- 1) Task A3 (TaskID 6) completed as planned, Next.
- 2) Task B2 (TaskID 8) pushed out 3 work-days (Change Remaining Duration from -17 days to -14 days), Next, and Next.
- 3) Task D1 (ID 11) in a bit behind schedule, for it was planned to be completed by the status update date. Since this is a build of 40 units, and Testing is at a separate facility, all units must be complete before the integration and test can begin. 37 units are complete and 3 more are in process. Change "Total Units" to 40 and "Units Complete" to 37 – Next, and Next and Accept the BC and WC changes (BC = .98 and WC = 1.47), Accept Changes.
- 4) Select "3. Preview" and notice that the Commitment Confidence from the updated Distribution chart (below) has gone down to only 25%. This is not acceptable to the team.

5) Do not Select "4. Publish" yet!!!!

Project Progress Update Reference Status Update #3 Input 3



Project Progress Update Reference After Status Update #3 Changing Costs to Actual Costs

The following Tasks were completed prior to the Update date, and the corresponding Actual Costs were provided and entered prior to the "4. Publish" of this update. Here are the changes (you can only change the Actual Cost in the IMS "Nominal Durations view" after the task is completed):

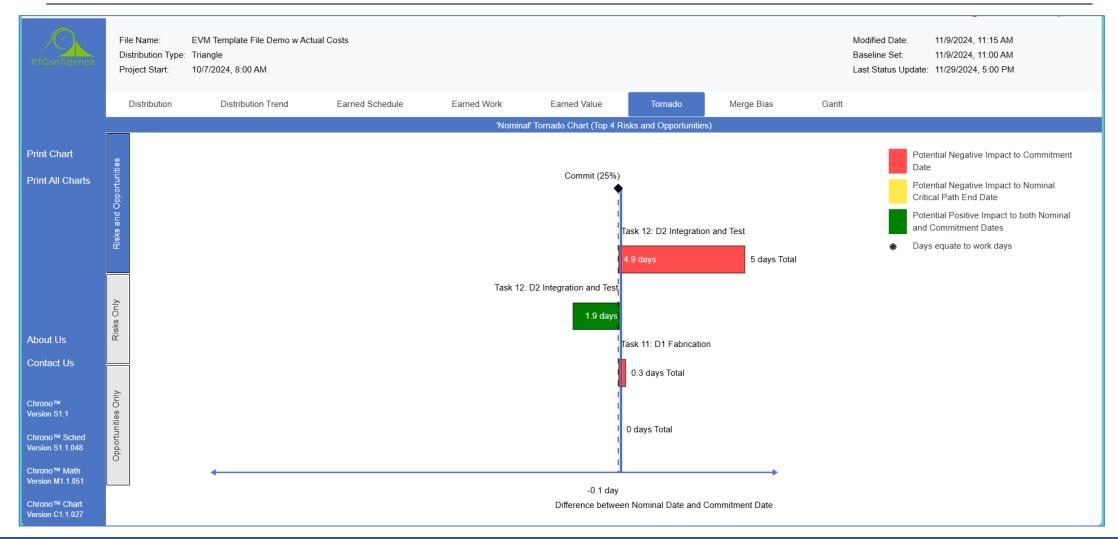
- Task ID 6 (A3 Procure Mech. Materials) is completed. The projected costs (based on original estimates) was \$120,000.00, and the Actual Costs from the Financial System is \$125,358.00. The change in Cost (+\$5,358.00).
- Task ID 8 (B2 Procure Elect. Materials) is completed. The projected costs (based on original estimates) was \$75,000.00, and the Actual Costs from the Financial System is \$73,450.00. The change in Cost (-\$1,550.00).

After these changes are made, go back to Project Progress Update and "3. Preview" the update to see the Update #2 ChronoView Outputs below. Do not "4. Publish" yet!!!!

Project Progress Update Reference Status Update #3 Previewed Chrono Distribution



Project Progress Update Reference Status Update #3 Previewed Tornado Chart



Project Progress Update Reference Reference **Recovery Scenario to Meet Commitments**



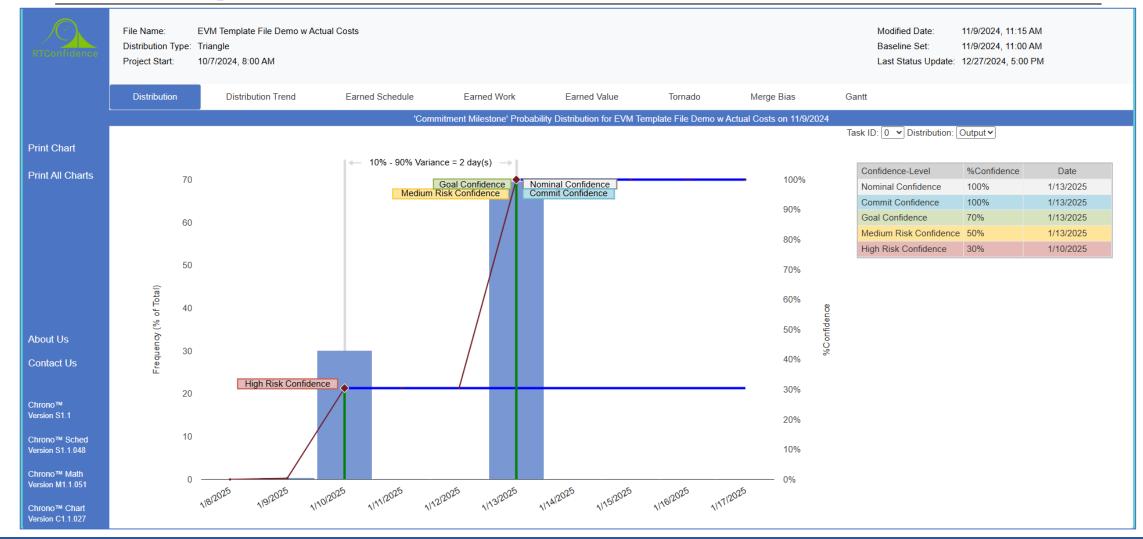
Based on the last "3. Preview" chart, it is determined that the organization needs to take Corrective Action(s) to maintain its schedule commitment of 1/13/2025.

- 1) Extra resources will be applied to Task D1 (ID 11) to complete the fabrication on 12/30 the duration will be changed from 15.14 days to 15 days, with a Worst-Case duration also changed to 15 days, as shown on the subsequent chart.
- 2) For Task D2 (ID 12) will be receiving 2 extra resources (people) to ensure that the task can be completed in no more than 10 days (vs. the 10 days planned, and the Worst-Case of 15 days). This will have a relatively small cost increase, but will enable on-time delivery of product. The 10 day plan is therefore assured, provided no other unexpected issues. Also the Worst-Case duration is changed to 10, as well (enabled by pre-authorizing overtime if necessary). So enter that Worse-Case change shown on the subsequent chart.
- 3) We will "3. Preview" the changed schedule to ensure that the commitment schedule is met.
- 4) If/when all is well, then Select "4. Publish"

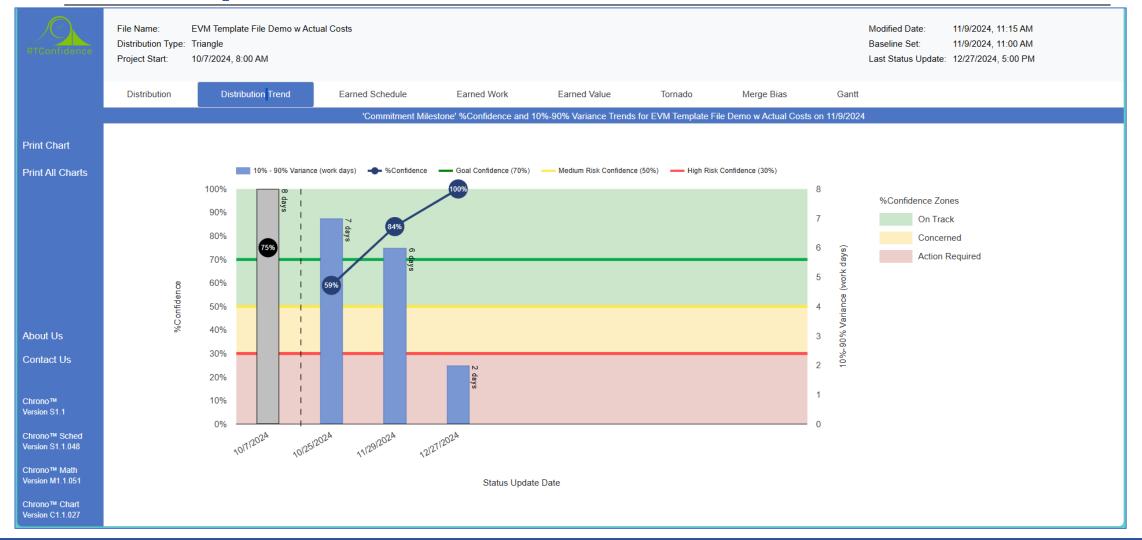
Project Progress Update Reference Post Status Update #3 Actual Cost & Recovery Changes

Displa	y Probabi	lity Chart	🤌 Project Progress Update 🗸 🗸	Nominal Durati	ons 🏴 Me	dium Risk Confidence @	0 50% 埍 Ali	gn Commit	E Re	esource		Commit Dat	e 1/13/2025 5:00:00 P	М	□ E Defaults					
Run S	imulation		🖧 Set Project Baselines 🏴	Goal Confidenc	e@70% 🏴 Cor	mmit Confidence @ 929	% 🔀 Vie	ew Entire Projec	t 📶 Di	stribution-Tria	ingle	🏴 % Confid	dence at Commit Dat	e 92%		d Help				
Chron	o™ Wizaro	I	😸 Validate Project 🏴	High Risk Confi	dence @ 30% 🛛 🗮 Seleo	ct Baseline - @Nominal	Me	erge Bias View	😽 М	etrics		Nominal Co	nfidence 92%		1.7* Info					
		Chrono	™ Tools		Chrono	™ Gantt Chart Views			Cł	nrono™ Optio	ns Pro	oject Summar	y Info - Last Update 1	1/29/2024 CI	nrono™ Settings, V	er. S1.1.0	48			
i	Task Mode 🔻	WBS 👻	Task Name	- Duration	Start 🗸	Finish 👻	Predecessor: 🗸	Successors 🗸	Best Case	Worst Case	Total Slack	% Complete	✓ Actual Cost →	Fixed Cost	Cost 🗸	Oct '24 29 6		lov '24 3 10 17	Dec '24 24 1 8 15 22	Jan '25 2 29 5
	□ →	0	4 Simple EVM Template File	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	0 days	0 days	90%	\$400,739.40	0.00	\$444,450.00					
V	*	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	0 days	0 days	0 days	100%	\$0.00	0.00	\$0.00	🔶 🛉 1	0/7			
		2	LOE Project Tasks	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM	1	13	0 days	0 days	0 days	85%	\$80,869.00	0.00	\$95,140.00	- Ě				
	-	3	▲ Summary	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	0 days	0 days	92%	\$319,870.40	0.00	\$349,310.00	Ŕ		_		
\checkmark	-	3.1	A1 System Design	11 days	10/7/24 8:00 AM	10/21/24 5:00 PM	1	5,7	8.8 days	13.2 days	0 days	100%	\$22,215.00	1,425.00	\$22,215.00	- 1	100%			
\checkmark	\square	3.2	A2 Mechanical Design	7 days	10/22/24 8:00 AM	10/30/24 5:00 PM	4	6	6 days	10.01 days	0 days	100%	\$8,915.00	305.00	\$8,915.00		1 i	00%		
\checkmark	-	3.3	A3 Procure Mech. Materia	ls 24 days	10/31/24 8:00 AM	12/3/24 5:00 PM	5	11	21.95 day	s 30 days	0 days	100%	\$125,358.00	125,358.00	\$125,358.00				- 10 0%	
\checkmark	\square	3.4	B1 Electrical and SW Desig	n 12 days	10/22/24 8:00 AM	11/6/24 5:00 PM	4	8	10.29 day	s 18.86 days	0 days	100%	\$16,200.00	0.00	\$16,200.00		Ť.	100%		
\checkmark	→	3.5	B2 Procure Elect. Material	s 23 days	11/7/24 8:00 AM	12/9/24 5:00 PM	7	11	23 days	30.67 days	0 days	100%	\$73,450.00	73,450.00	\$73,450.00		-	_	100%	
\checkmark	→	3.6	C1 Manufacturing Design	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10	19.99 day	s 30.01 days	0 days	100%	\$24,792.00	3,100.00	\$24,792.00	-		100%		
\checkmark		3.7	C2 Procure Fab. Equipmer	nt 16 days	11/6/24 8:00 AM	11/27/24 5:00 PM	9	11	14.55 day	s 21.82 days	0 days	100%	\$24,500.00	24,500.00	\$24,500.00				100%	
	→	3.8	D1 Fabrication	15 days	12/10/24 8:00 AM	12/30/24 5:00 PM	10,6,8	12	13 days	15 days	days	93%	\$24,440.40	0.00	\$26,280.00					93%
	- →	3.9	D2 Integration and Test	10 days	12/31/24 8:00 AM	1/13/25 5:00 PM	11	13	8 days	10 days	0 days	0%	\$0.00	0.00	\$27,600.00				-	
	- →	4	Confidence Milestone	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	2,12	14	0 days	0 days	0 days	0%	\$0.00	0.00	\$0.00					♦ •
	*	5	Commitment Milestone	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	13		0 days 🔇	0 days	days	0%	\$0.00	0.00	\$0.00					•
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w	ith d	a Wo	orst-Case durat	tion ch	anae	Note	e 3. T	he Wa	orst-C	Case (dura	tion f	for I	l Not	e 1. A	ll th	e "Actu	al Cos	st" columr	
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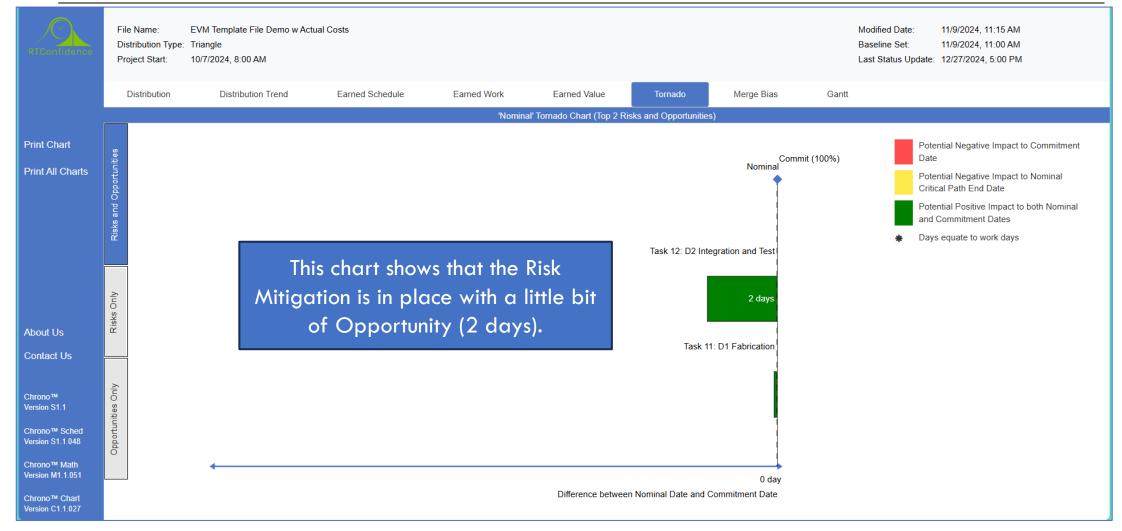
Project Progress Update Reference Confidence Status Update #3 Published Chrono Distribution



Project Progress Update Reference Status Update #3 Published Distribution Trend Chart



Project Progress Update Reference Status Update #3 Published Tornado Charts



Project Progress Update Reference Status Update #3 Published Cost EV & CPI Charts



Project Progress Update Reference Confidence Status Update #3 Published Sch. EW & SPI Charts



Project Progress Update Reference Status Update #3 Published Commit Sch. & Cost Charts

Di	strib	ame: oution Type ct Start:	e: Triangl			Actual Cos	sts																В	aselin	ed Date ne Set: atus U	:	11/9/	2024, 11:15 AM 2024, 11:00 AM 7/2024, 5:00 PM
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	00	\$80,401.53	\$80,400.00	\$94,588.51	\$1.53	\$1.53	1	1	70.58	\$94,590.04	\$80,869.00		\$95,140.00	4													8	5%
					-\$230,707.24		0.2789	0.2787		\$345,568.04				6	-			_									9	2.11%
	00	\$18,325.50	\$18,900.00	\$23,684.68	-\$3,889.50	-\$574.50	0.9696	0.8249	10.45	\$19,750.50 \$9,630.90	\$22,215.00	\$1,425.00 \$305.00	\$22,215.00 \$8,915.00				100%	B t only	-									
	00	\$9,325.90	\$8,610.00 \$120,000.00	\$9,196.60 \$120,000.00	\$410.90	\$715.90	1.0831 -0.0446	1.046 -0.0427	7.82 25.77	\$9,630.90	\$8,915.00	\$125,358.00	\$8,915.00		_			100%	-			110004						
	10	\$14,391.00	\$12,150.00	\$16,200.00	-\$1,809.00	\$2,241.00	1.1844	0.8883	10.66	\$14,391.00	\$16,200.00	\$125,556.00	\$16,200.00			[•		0096			100%						
	00	\$1,550.00	\$75,000.00	\$3,638,983.98		-\$73,450.00	0.0206	0.0211	21.32	\$75,000.00	\$73,450.00	\$73,450.00	\$73,450.00					Ę					100%					
	00	\$21,648.60	\$21,692.00	\$27,898.52	-\$3,143.40	-\$43.40	0.9979	0.8732	25.1	\$24,748.60	\$24,792.00	\$3,100.00	\$24,792.00	G				110	096				20070					
	00	\$500.00	\$25,000.00	\$1,249,500.00		-\$24,500.00	0.02	0.0204	12.12	\$25,000.00	\$24,500.00	\$24,500.00	\$24,500.00					ц,			100%	6						
	40	\$24,132.05	\$24,528.00	\$26,392.20	-\$308.35	-\$395.95	0.9838	0.9873	14.87	\$26,052.24	\$24,440.00		\$26,382.20													92.63%		
_	1		\$13,800.00	\$30,994.80		-\$13,800.00			11.22	\$30,994.80			\$27,439.00													•		
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5													•															

Project Progress Update Reference Status Update #3 Published Nominal Sch. & Cost Charts

oje	ect Start:	10/7/20	24, 8:00 A	М																			La	ast St	atus L	Jpdate	e: 12/	27/2024, 5	5:00 P
Dis	stribution		Distributio	n Trend	E	arned Sc	hedule	E	Earned Wor	rk	Earne	d Value		Т	ornado	D		Merç	ge Bia	S		Gar	tt						
									'EVM ⁻	Template F	ile Demo v	w Actual C	osts'	14 Ta	sk Sch	nedule	Nomin	nal											
										_			2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2024	2025	2025	
	BCWP	BCWS	EAC	CV	SV	СРІ	SPI	Base Dur	Base Cost	Actual Cost	Fixed Cost	Cost	30 Sep	07 Oct	14 Oct	21 Oct	28 Oct 0	04 Nov	11 Nov	18 Nov 2	25 Nov	02 Dec	09 Dec 1	L6 Dec	23 Dec	30 Dec	06 Jan	13 Jan	
												\$444,450.00		^															
0	\$73,605.36	\$80,400.00	\$95,140.35	-\$6,794.64	-\$6,794.64	0.9155	0.9155	65	\$87,100.00	\$80,869.00		\$95,140.00					_										_	85%	
40	\$304,163.04	\$319,680.00	\$350,701.32	-\$15,707.36	-\$15,516.96	0.9509	0.9515	65	\$333,480.00	\$319,870.00	\$228,138.00	\$349,310.00		-		_	_	-		_	_	_	_					92.11%	
0	\$18,900.00	\$18,900.00	\$22,215.00	-\$3,315.00		0.8508	1	10	\$18,900.00	\$22,215.00	\$1,425.00	\$22,215.00				100%													
)	\$8,610.00	\$8,610.00	\$8,915.00	-\$305.00		0.9658	1	7	\$8,610.00	\$8,915.00	\$305.00	\$8,915.00				•	100%												
00	\$120,000.00	\$120,000.00	\$125,358.00	-\$5,358.00		0.9573	1	24	\$120,000.00		\$125,358.00	\$125,358.00										100%							
0	\$12,150.00	\$12,150.00	\$16,200.00	-\$4,050.00		0.75	1	9	\$12,150.00	\$16,200.00		\$16,200.00	_					1009	6										
0	\$75,000.00	\$75,000.00	\$73,450.00	\$1,550.00		1.021	1	20	\$75,000.00	\$73,450.00	\$73,450.00	\$73,450.00					_						100%						
00	\$21,692.00	\$21,692.00	\$24,792.00	-\$3,100.00		0.875	1	22	\$21,692.00	\$24,792.00	\$3,100.00	\$24,792.00					[100%											
0	\$25,000.00	\$25,000.00	\$24,500.00 \$26,280.00	\$500.00	-\$1,716.96	1.0204 0.9333	1	11	\$25,000.00 \$24,528.00	\$24,500.00	\$24,500.00	\$24,500.00 \$26,280.00						1			100%					how			
U	\$22,811.04	\$24,528.00 \$13,800.00	\$26,280.00	->1,623,36	-\$1,/16.96	0.9333	0.93	14	\$24,528.00	\$24,440.00		\$26,280.00													[3370	_		
		\$13,000,00	\$27,000.00		-313,000,00			10	\$27,000.00			\$27,800,00)														-	U > 7	
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Project Progress Update Reference Post Status Update #3 Changing Cost to Actual Costs

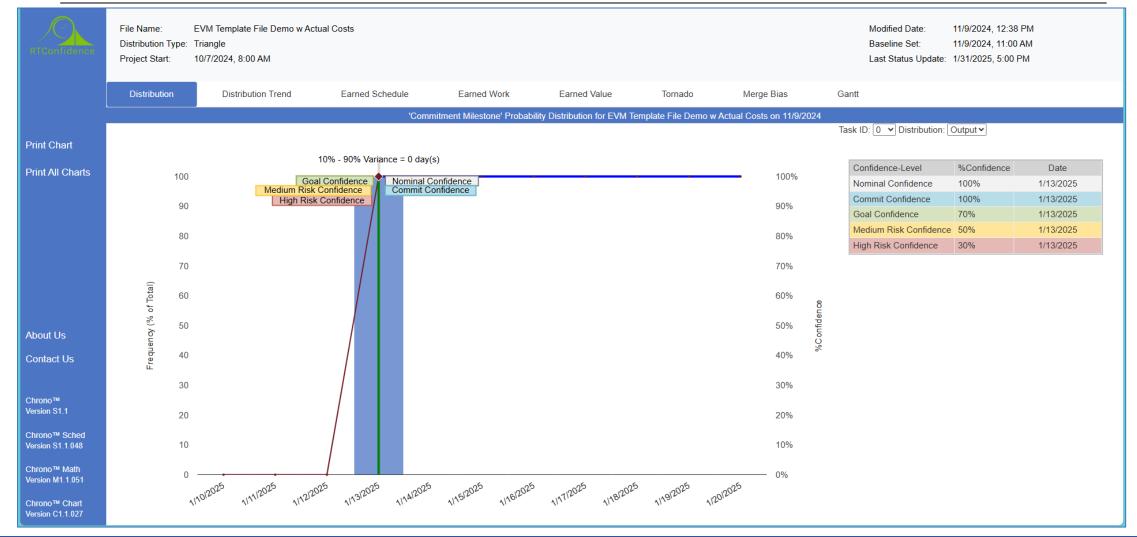
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le Chrono	™ Task	Resource Report Project View	/ Help G	antt Chart Format	✓ Tell me what :	you want to do)													O
Display Prob	bability Chart	🖉 Project Progress Update N	ominal Duratior	ns Mediu	m Risk Confidence @ 5	i0% 녁 Align	Commit	🔣 Resou	irce	Com	nmit Date 1/13/	/2025 5:00:00 PM		⊐≌ Defau	lts					
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¹ Chrono [™] Wi	izard	₩ Validate Project H	igh Risk Confide	ence @ 30% 📃 Select	Baseline - @Goal	Merge	Bias View	式 Metri	cs	Prob	bable Finish 1/1	3/2025, 0.0 Work	Days On time	1.7 1.8 Info						
	Chron	o™ Tools	-	Chrono™	Gantt Chart Views	-		Chror	no™ Options	Pr	roject Summary	Info - Last Update	12/27/2024	Chrono™ Setti	ngs, Ver. S	51.1.048				
Task								Best	Worst	Total	%				Oct '2		Nov '24	Dec '24	Jan	
			Duration 👻			Predecessor	Successors •		D 12		-	Actual Cost 👻				13 20 27	3 10 17	1 24 1 8	15 22 29	5 12
0	0	4 Simple EVM Template File	71 days	10/7/24 8:00 AM				0 days	0 days	0 days		\$400,739.40		\$444,389.52		44.7				8
1 🖌 🖈	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	0 days	0 days	0 days	100%	\$0.00	\$0.00	\$0.00	1	10/7				
	2	LOE Project Tasks	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM	1	13	0 days	0 days	0 days	85%	\$80,869.00	\$0.00	\$95,140.00						_
	3	▲ Summary	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	0 days	0 days	92%	\$319,870.40	\$0.00	\$349,249.52	- T					
✓ 📑	3.1	A1 System Design	11 days	10/7/24 8:00 AM	10/21/24 5:00 PM		5,7	8.8 days	13.2 days		100%	\$22,215.00	\$1,425.00	\$22,215.00		100%				
✓ 🖙	3.2	A2 Mechanical Design	7 days	10/22/24 8:00 AM	10,00,210,0001.00	4	6	6 days	10.01 days		100%	\$8,915.00	\$305.00	\$8,915.00		· · · · · · · · · · · · · · · · · · ·	00%			
✓ 🖙	3.3	A3 Procure Mech. Materials		10/31/24 8:00 AM		5	11			0 days	100%	\$125,358.00		\$125,358.00		↓ ■		_100%		
✓ 🖙	3.4	B1 Electrical and SW Design		10/22/24 8:00 AM	11/6/24 5:00 PM	4	8		s 18.86 days		100%	\$16,200.00	\$0.00	\$16,200.00			 100%			
✓ 🖘	3.5	B2 Procure Elect. Materials		11/7/24 8:00 AM		7	11		30.67 days		100%	\$73,450.00	\$73,450.00	\$73,450.00				10	00%	
✓ 🖙	3.6	C1 Manufacturing Design	22 days	10/7/24 8:00 AM	11,0,210,000	1	10		s 30.01 days		100%	\$24,792.00	\$3,100.00	\$24,792.00			100%			
	3.7	C2 Procure Fab. Equipment		11/6/24 8:00 AM		9	11		s 21.82 days		100%	\$24,500.00	\$24,500.00	\$24,500.00						
	3.8	D1 Fabrication	15.06 days	12/10/24 8:00 AM		10,6,8	12	13 days	15 days	0 days	93%	\$24,440.40	\$0.00	\$26,385.12				_	93%	6
-	3.9	D2 Integration and Test	9.94 days	12/31/24 8:29 AM		11	13	8 days	10 days	0 days	0%	\$0.00	\$0.00	\$27,434.40						_
<u></u>	4	Confidence Milestone	0 days	1/13/25 5:00 PM		2,12	14	0 days	0 days	0 days	0%	\$0.00	\$0.00	\$0.00						4
4 🖈	5	Commitment Milestone	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	13		0 days	0 days	0 days	0%	\$0.00	\$0.00	\$0.00						•
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Run Simulat	tion	Set Project Baselines G	oal Confidence	@ 70% Comn	nit Confidence @ 99%	🔀 View I	Entire Project	Distri	bution-Triang	le 9	% Confidence a	t Commit Date 9	9%	Contact and H	lelp					
Chrono™ Wi	izard	Nalidate Project	iah Risk Confide	ence @ 30% 🗮 Select	Baseline - @Nominal	Merce	Bias View	E Metri	-		Nominal Confic	lence 99%	17	Info						
ciliono in		o™ Tools	ign name of inter		Gantt Chart Views	merge	bids frem	-	uo™ Options					no™ Settings, Ver.	\$1.1.048					
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(i) Mod		Task Name 👻	Duration 👻	- Start -	Finish 👻	Predecessor +	Successors •	Case	Case 🗸	Slack	Complete	Actual Cost 👻	Fixed Cost 👻	Cost 👻	29 6	13 20 27	3 10 17	7 24 1 8	15 22 29	5
) 🔤 🖙	0	4 Simple EVM Template File	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	0 days	0 days	90%	\$400,739.40	\$0.00	\$444,450.00			_			_
v 🖈	1	Start Milestone	0 days	10/7/24 8:00 AM	10/7/24 8:00 AM		2,4,9	0 days	0 days	0 days	100%	\$0.00	\$0.00	\$0.00	•	10/7				
□	2	LOE Project Tasks	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM	1	13	0 days	0 days	0 days	85%	\$80,869.00	\$0.00	\$95,140.00	ļ 🌾					
	3	✓ Summary	71 days	10/7/24 8:00 AM	1/13/25 5:00 PM			0 days	0 days	0 days	92%	\$319,870.40	\$0.00	\$349,310.00	6					_
✓ 🖙	3.1	A1 System Design	11 days	10/7/24 8:00 AM	10/21/24 5:00 PM	1	5,7	8.8 days	13.2 days	0 days	100%	\$22,215.00	\$1,425.00	\$22,215.00	L 🇯	100%				
🗸 🖙	3.2	A2 Mechanical Design	7 days	10/22/24 8:00 AM	10/30/24 5:00 PM	4	6	6 days	10.01 days	s 0 days	100%	\$8,915.00	\$305.00	\$8,915.00		1 1	00%			
🗸 🖙	3.3	A3 Procure Mech. Materials	24 days	10/31/24 8:00 AM	12/3/24 5:00 PM	5	11	21.95 day	s 30 days	0 days	100%	\$125,358.00	\$125,358.00	\$125,358.00		1		-100%	6	
✓ 🖙	3.4	B1 Electrical and SW Design	12 days	10/22/24 8:00 AM	11/6/24 5:00 PM	4	8	10.29 day	s 18.86 days	s 0 days	100%	\$16,200.00	\$0.00	\$16,200.00		<u>*</u>	100%			
🗸 🖙	3.5	B2 Procure Elect. Materials	23 days	11/7/24 8:00 AM	12/9/24 5:00 PM	7	11	23 days	30.67 days	s 0 days	100%	\$73,450.00	\$73,450.00	\$73,450.00		-	_ _	10	00%	
🗸 🖙	3.6	C1 Manufacturing Design	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10	19.99 day	s 30.01 days	s <mark>0 days</mark>	100%	\$24,792.00	\$3,100.00	\$24,792.00	🎽		100%			
🗸 🖙	3.7	C2 Procure Fab. Equipment	16 days	11/6/24 8:00 AM	11/27/24 5:00 PM	9	11	14.55 day	s 21.82 days	s 0 days	100%	\$24,500.00	\$24,500.00	\$24,500.00			Ť.	100%		
-	3.8	D1 Fabrication	15 days	12/10/24 8:00 AM	12/30/24 5:00 PM	10,6,8	12	13 days	15 days	0 days	93%	\$24,440.40	\$0.00	\$26,280.00					93%	6
2 📑	3.9	D2 Integration and Test	10 days	12/31/24 8:00 AM	1/13/25 5:00 PM	11	13	8 days	10 days	0 days	0%	\$0.00	\$0.00	\$27,600.00					<u>*</u>	-
3 📑	4	Confidence Milestone	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	2,12	14	0 days	0 days	0 days	0%	\$0.00	\$0.00	\$0.00					\diamond	
4 🖈	5	Commitment Milestone	0 days	1/13/25 5:00 PM	1/13/25 5:00 PM	13		0 days	0 days	0 days	0%	\$0.00	\$0.00	\$0.00						4

Project Progress Update Reference Confidence Scenario Explanation (Fourth and Final Update)

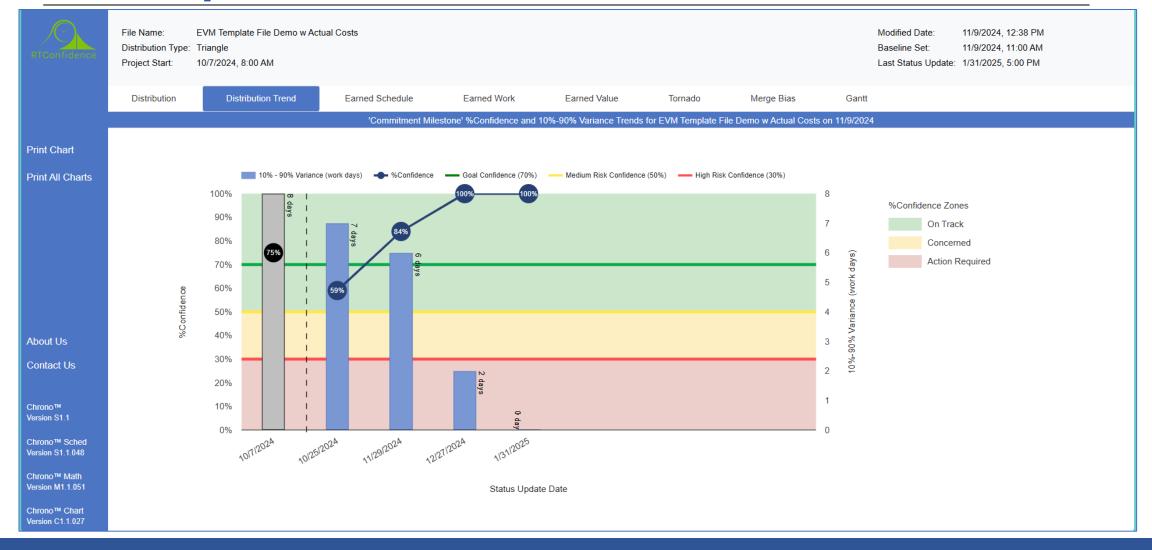
Fourth and Final Project Progress Update (Friday, 1/31/2025)

- 1) Task D1 (TaskID 11) completed as planned (-24 work-days ago), Next.
- 2) Task D2 (TaskID 12) completed as planned (-14 work-days ago), Next.
- 3) "3. Preview" do not "4. Publish" until after the final Actual Costs are input.
- 4) Go back to the Nominal Gantt chart view and make the following changes:
 - Change the TaskID 11 "Actual Cost" from \$26,280.00 to \$27,234.00 (+\$954.00)
 - Change the TaskID 12 "Actual Cost" from \$27,600.00 to \$31,478.00 (+\$3,878.00)
 - Change the TaskID 2 "Actual Cost" from \$95,140.00 to \$92,050.00 (-\$3,090)
- 5) "3. Preview" to ensure all numbers are updated as directed
- 6) "4. Publish" and compare the following charts. Note that the only changes from the charts in the last sections are the Task and Project "Costs", and related Indicators.

Project Progress Update Reference Status Update #4 Published Chrono Distribution



Project Progress Update Reference Status Update #4 Published Distribution Trend Chart



Project Progress Update Reference Confidence Status Update #4 Published Cost EV & CPI Charts



Project Progress Update Reference Status Update #4 Published Schedule EW & SPI Charts



Project Progress Update Reference Status Update #4 Published Commit Sch. & Cost Charts

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Nominal													\$446,192.00	<u> </u>														
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Z	.00	\$112,598.04	\$333,480.00	\$1,044,219	-\$241,543.96	-\$220,881.96	0.3376	0.3179	70.58	\$345,568.04	\$354,142.00	\$232,970.00	\$354,142.00	-				-	_			_	_	_	—		100%	
	00	\$18,325.50	\$18,900.00	\$23,684.68	-\$3,889.50	-\$574.50	0.9696	0.8249	10.45	\$19,750.50	\$22,215.00	\$1,425.00	\$22,215.00	L•	_	100%												
	0	\$9,325.90	\$8,610.00	\$9,196.60	\$410.90	\$715.90	1.0831	1.046	7.82	\$9,630.90	\$8,915.00	\$305.00	\$8,915.00				100%											
	00	-\$5,358.00	\$120,000.00	\$120,000.00	-\$130,716.00	-\$125,358.00	-0.0446	-0.0427	25.77	\$120,000.00	\$125,358.00	\$125,358.00	\$125,358.00				4		-		100%							
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High	00	\$21,648.60	\$21,692.00	\$27,898.52	-\$3,143.40	-\$43.40	0.9979	0.8732	25.1	\$24,748.60	\$24,792.00	\$3,100.00	\$24,792.00	4				100%										
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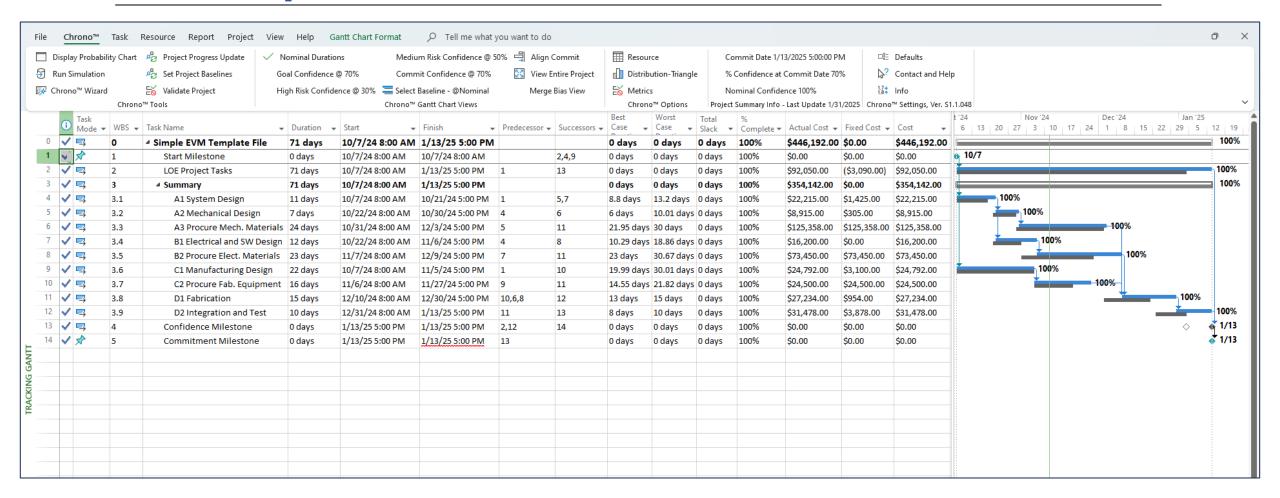
Project Progress Update Reference Status Update #4 Published Nominal Sch. & Cost Charts

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- 20	\$27,600.00	\$27,600.00	\$31,478.00	-\$3,878.00		0.8768	1	10	\$27,600.00	\$31,478.00	\$3,878.00	\$31,478.00													4	-	00%
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Project Progress Update Reference Final Project IMS Outcome - Commitment

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	5 🗸	/ 🛋	3.2	A2 Mechanical Design	7 days	10/22/24 8:00 AM	10/30/24 5:00 PM	4	6	6 days	10.01 days	0 days	100%	\$8,915.00	\$305.00	\$8,915.00	1	100%				
	6 🗸	/ 🛋	3.3	A3 Procure Mech. Materials	24 days	10/31/24 8:00 AM	12/3/24 5:00 PM	5	11	21.95 day	s 30 days	0 days	100%	\$125,358.00	\$125,358.00	\$125,358.00				100 %		
	7 🗸	/ 🛋	3.4	B1 Electrical and SW Design	12 days	10/22/24 8:00 AM	11/6/24 5:00 PM	4	8	10.29 day	s 18.86 days	0 days	100%	\$16,200.00	\$0.00	\$16,200.00	i i i i i i i i i i i i i i i i i i i	10	0%			
	8 🗸	/ 🛋	3.5	B2 Procure Elect. Materials	23 days	11/7/24 8:00 AM	12/9/24 5:00 PM	7	11	23 days	30.67 days	0 days	100%	\$73,450.00	\$73,450.00	\$73,450.00				100%		
	9 🗸	/ 🛋	3.6	C1 Manufacturing Design	22 days	10/7/24 8:00 AM	11/5/24 5:00 PM	1	10	19.99 day	s 30.01 days	0 days	100%	\$24,792.00	\$3,100.00	\$24,792.00	*	10	0%			
	10 🗸	/ 🛋	3.7	C2 Procure Fab. Equipment	16 days	11/6/24 8:00 AM	11/27/24 5:00 PM	9	11	14.55 day	s 21.82 days	0 days	100%	\$24,500.00	\$24,500.00	\$24,500.00				100%-		
	11 🗸	/ 🖙	3.8	D1 Fabrication	15 days	12/10/24 8:00 AM	12/30/24 5:00 PM	10,6,8	12	13 days	15 days	0 days	100%	\$27,234.00	\$954.00	\$27,234.00				*	100%	
	12 🗸	/ 🖙	3.9	D2 Integration and Test	10 days	12/31/24 8:00 AM	1/13/25 5:00 PM	11	13	8 days	10 days	0 days	100%	\$31,478.00	\$3,878.00	\$31,478.00						100%
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Project Progress Update Reference Final Project IMS Outcome - Nominal



Our Books and Content Say it All! **Please go to RTConfidence.com for More Info**



