



MPUG - An Overview of Earned Value Management (EVM) - Part II

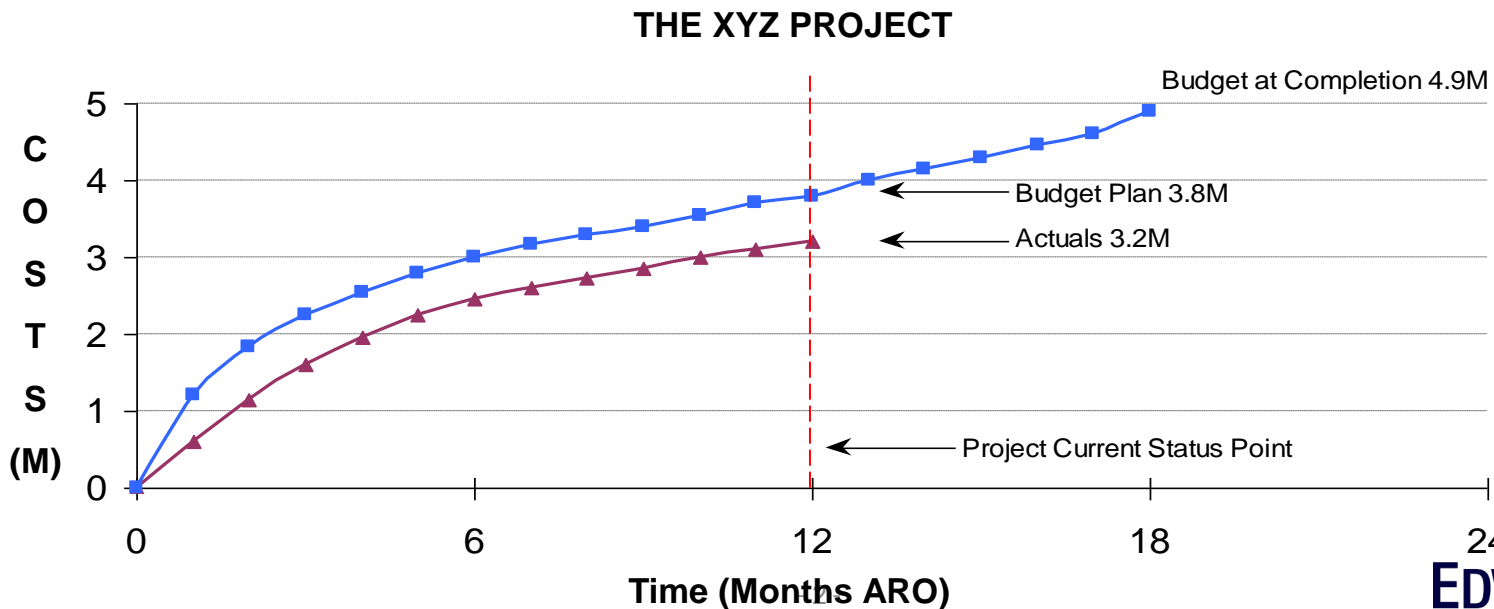
Tracking EVM with Microsoft Project



Using Earned Value to Track Progress

- We know the original budget (the plan) (Blue Line)
- We know what we spent to date (Red Line) --BUT--
- Without additional information to show the project status we DON'T know what progress we have

-- Earned value metrics can give us the whole picture --

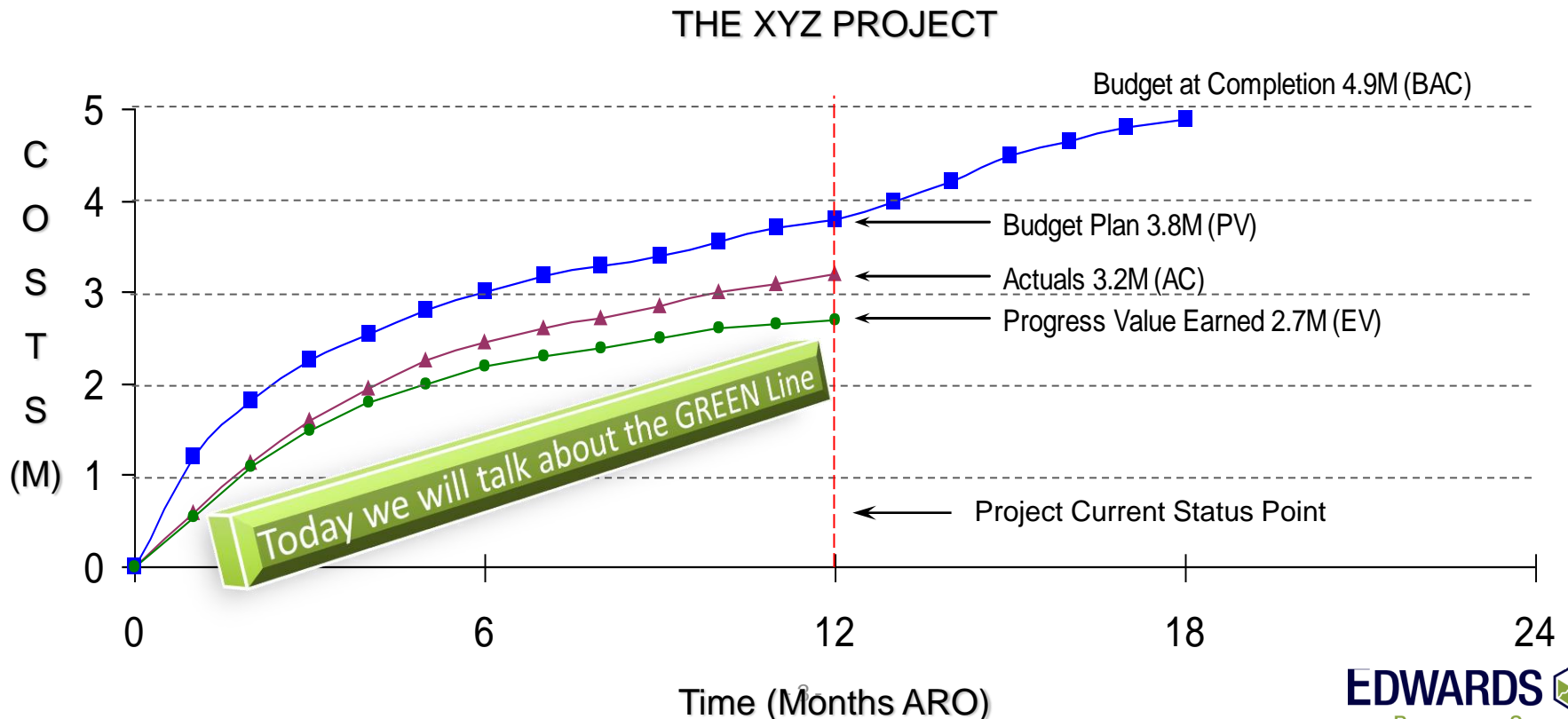


Using Earned Value to Track Progress

- So lets take another look at “The XYZ Project”

This time with earned value performance information included...

...and we now see THE REAL STORY of our project! (Green Line)





Using Earned Value to Track Progress with Microsoft Project

Setting Up Microsoft Project to track EVM

- Microsoft Field Names – Old vs. New

Old Name (what MS Project Uses)	New Name
BCWS – Budgeted Cost of Work Schedule	PV – Planned Value
BCWP – Budgeted Cost of Work Performed	EV – Earned Value
ACWP – Actual Cost of Work Performed	AC – Actual Cost

- PV (BCWS), EV (BCWP), AC (ACWP), CV, SV, and EAC are automatically rolled up to the summary level in the project schedule

Setting Up Microsoft Project to track EVM

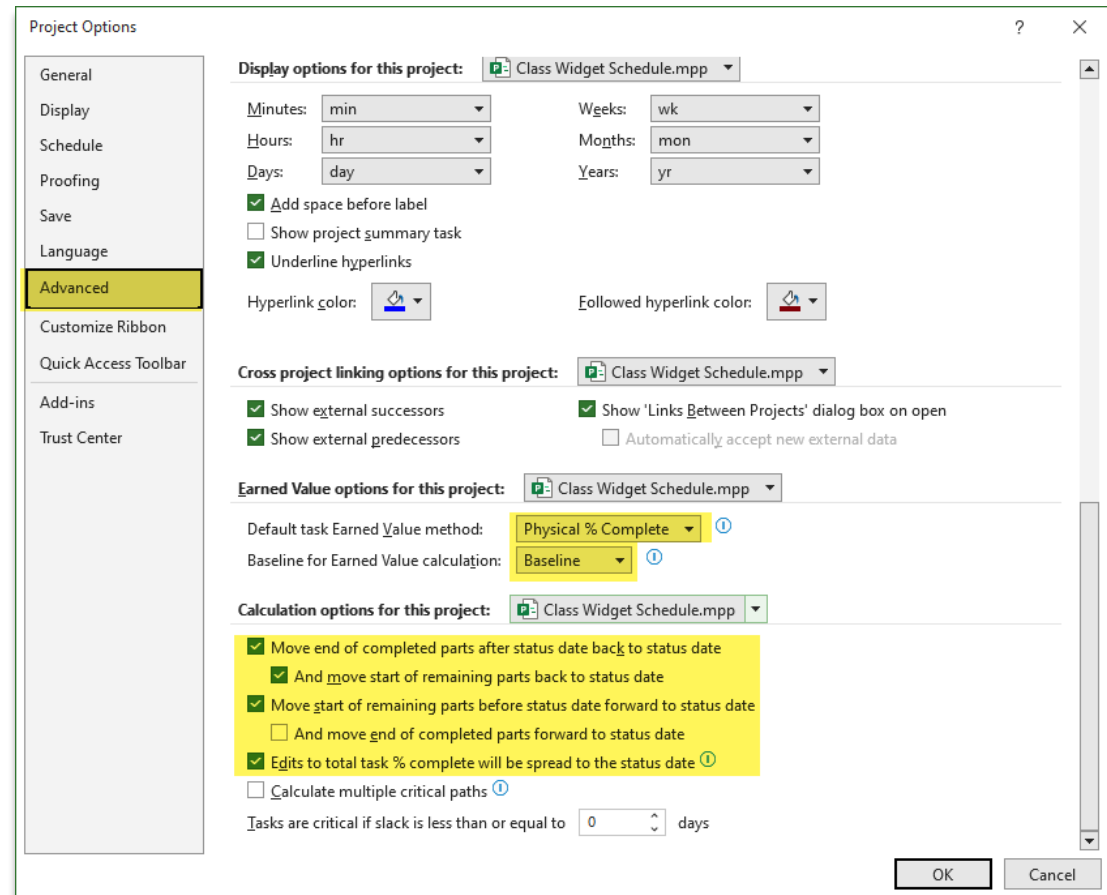
- Microsoft Project Options

- Several option need to be set to correctly track EVM in Project

- Earned Value method – Physical % Complete

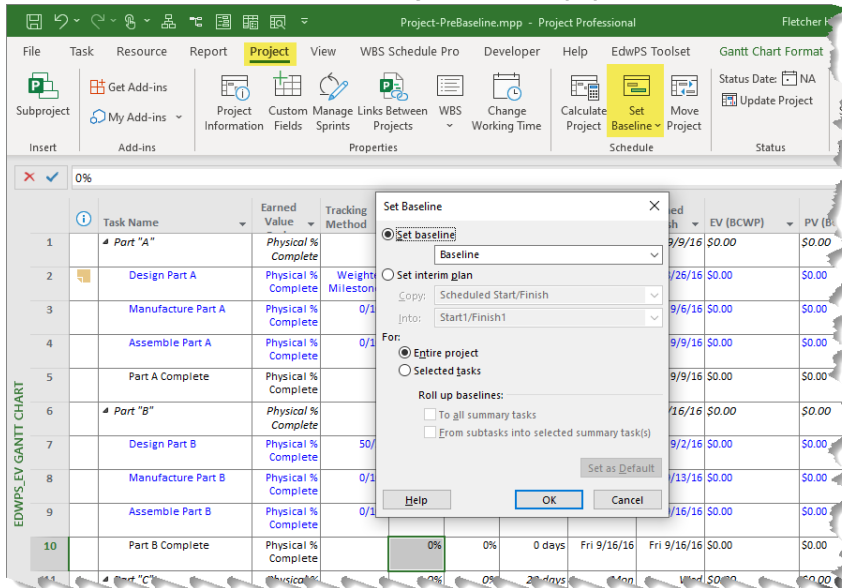
- Baseline used for EVM Calculations

- Calculation options easy project updating

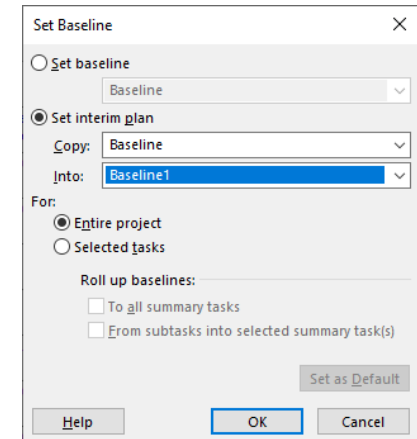
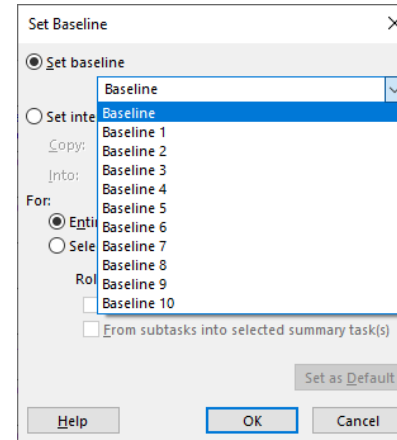


Setting Up Microsoft Project to track EVM

- Project Baselines
 - **Must** set prior to calculating EVM
 - Microsoft Project Support 10 baseline



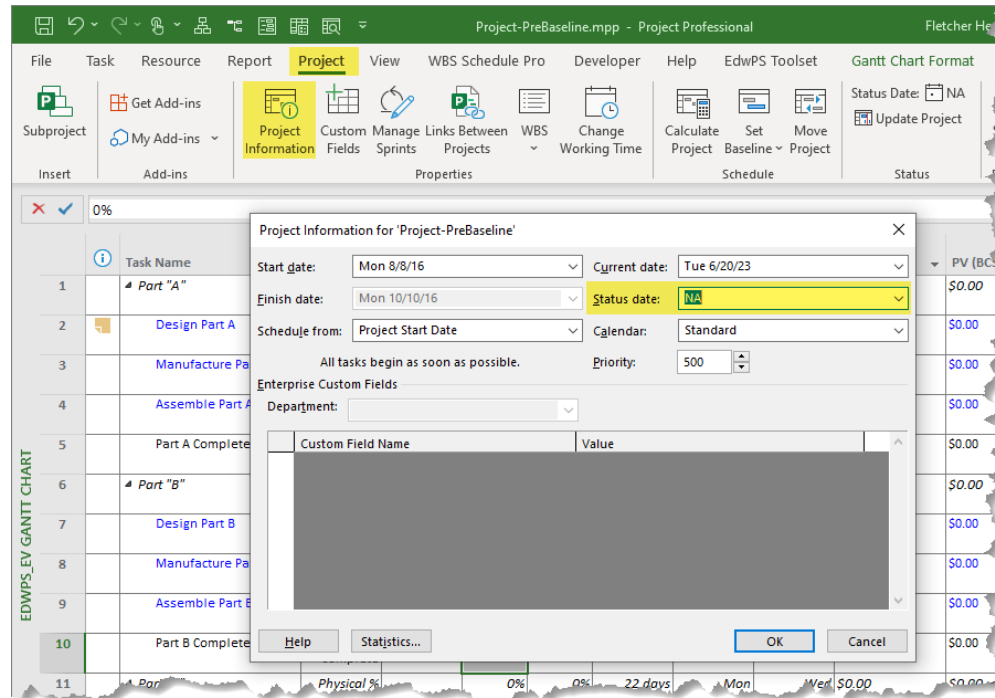
Task Name	Earned Value	Tracking Method	EV (BCWP)	PV (B)
Part "A"	Physical % Complete		9/9/16 \$0.00	\$0.00
Design Part A	Physical % Complete	Weights Mileston	2/25/16 \$0.00	\$0.00
Manufacture Part A	Physical % Complete	0/1	9/6/16 \$0.00	\$0.00
Assemble Part A	Physical % Complete	0/1	9/9/16 \$0.00	\$0.00
Part A Complete	Physical % Complete		9/9/16 \$0.00	\$0.00
Part "B"	Physical % Complete		2/16/16 \$0.00	\$0.00
Design Part B	Physical % Complete	50/	9/2/16 \$0.00	\$0.00
Manufacture Part B	Physical % Complete	0/1	1/13/16 \$0.00	\$0.00
Assemble Part B	Physical % Complete	0/1	2/16/16 \$0.00	\$0.00
Part B Complete	Physical % Complete		9/16/16 \$0.00	\$0.00



- Baseline Management
 - Copy Baselines from one to another
 - Support Change Request Tracking

Setting Up Microsoft Project to track EVM

- Status Date
 - All work performed prior to this date – changes with each update
 - Allows MS Project to know the time frame when actuals were done



- **MUST** be updated prior to updating your project

Setting Up Microsoft Project to track EVM

- Custom Fields - ease in updating and reporting
 - Tracking Method
 - Control accounts
 - OBS
 - Others

The screenshot displays the Microsoft Project Professional interface. The 'Custom Fields' dialog box is open, showing a list of fields including 'Tracking Method (Text30)'. The 'Edit Lookup Table for Tracking Method' dialog box is also open, showing a table with four rows of values and descriptions.

Row	Value	Description
1	0/100	Full Credit on Completion
2	50/50	Half Credit on Start/Half on Completion
3	LOE	Level of Effort (use rarely)
4	Weighted Milestones	Weighted Milestones

The background shows a Gantt chart for 'EDWPS.EV GANTT CHART' and a task list with columns for 'Physical % Complete', '0/100', '0%', '0%', '3 days', and dates 'Mon 9/26/16' and 'Wed 9/28/16'.

Setting Up Microsoft Project to track EVM

- Microsoft Filed Names – Old vs. New
 - Change how field is displayed

The screenshot shows the Microsoft Project Professional interface. The main window displays a Gantt chart for a project named 'Project-PreBaseline.mpp'. The task list includes tasks for Part A, B, and C, with sub-tasks for Design, Manufacture, and Assemble. The 'Earned Value' column shows \$0.00 for all tasks. A 'Field Settings' dialog box is open over the 'EV (BCWP)' column, showing the field name 'BCWP' and the title 'EV (BCWP)'. The dialog also shows alignment and width settings.

Task ID	Task Name	Earned Value	Tracking Method	% Work	% Comp	Duration	Planned Start	Planned Finish	EV (BCWP)	PV (BCSW)
1	Part "A"	Physical % Complete		0%	0%	21.13 days	Wed 8/10/16	Fri 9/9/16	\$0.00	\$0.00
2	Design Part A	Physical % Complete	Weighted Milestones	0%	0%	13 days	Wed 8/10/16	Fri 8/26/16	\$0.00	\$0.00
3	Manufacture Part A	Physical % Complete	0/100	0%	0%	6 days	Mon 8/29/16	Tue 9/6/16		
4	Assemble Part A	Physical % Complete	0/100	0%	0%	3 days	Tue 9/6/16	Fri 9/9/16		
5	Part A Complete	Physical % Complete		0%	0%	0 days	Fri 9/9/16	Fri 9/9/16		
6	Part "B"	Physical % Complete		0%	0%	26.13 days	Tue 8/9/16	Fri 9/9/16		
7	Design Part B	Physical % Complete	50/50	0%	0%	20 days	Tue 8/9/16	Fri 9/9/16		
8	Manufacture Part B	Physical % Complete	0/100	0%	0%	5 days	Wed 9/7/16	Tue 9/13/16	\$0.00	\$0.00
9	Assemble Part B	Physical % Complete	0/100	0%	0%	3 days	Tue 9/13/16	Fri 9/16/16	\$0.00	\$0.00
10	Part B Complete	Physical % Complete		0%	0%	0 days	Fri 9/16/16	Fri 9/16/16	\$0.00	\$0.00
11	Part "C"	Physical % Complete		0%	0%	22 days	Mon 8/29/16	Wed 9/28/16	\$0.00	\$0.00
12	Design Part C	Physical % Complete	50/50	0%	0%	12.5 days	Mon 8/29/16	Thu 9/15/16	\$0.00	\$0.00
13	Manufacture Part C	Physical % Complete	0/100	0%	0%	4 days	Fri 9/16/16	Wed 9/21/16	\$0.00	\$0.00
14	Assemble Part C	Physical % Complete	0/100	0%	0%	3 days	Mon 9/26/16	Wed 9/28/16	\$0.00	\$0.00

Setting Up Microsoft Project to track EVM

- Use must have a resource loaded schedule with cost
- So, we need all resource loaded into MS Project and assigned to tasks

	Resource Name	Type	Material	Initials	Group	Max.	Std.	Ovt.	Cost/Use	Accrue	Base	Code
1	Betty Smith	Work		BS		100%	\$20.00/hr	\$0.00/hr	\$0.00	Prorated	Standard	
2	Sharon Ebbs	Work		SE		100%	\$15.00/hr	\$0.00/hr	\$0.00	Prorated	Standard	
3	John Jones	Work		JJ		100%	\$15.00/hr	\$0.00/hr	\$0.00	Prorated	Standard	
4	Randy Cobbs	Work		RC		100%	\$12.00/hr	\$0.00/hr	\$0.00	Prorated	Standard	
5	Mike Randoff	Work		MR		100%	\$10.00/hr	\$0.00/hr	\$0.00	Prorated	Standard	
6	Vendor Part	Material	ea				\$100.00		\$0.00	Start		

Setting Up Microsoft Project to track EVM

- Use must have a resource loaded schedule with cost
- So, we need all resource loaded into MS Project and assigned to tasks

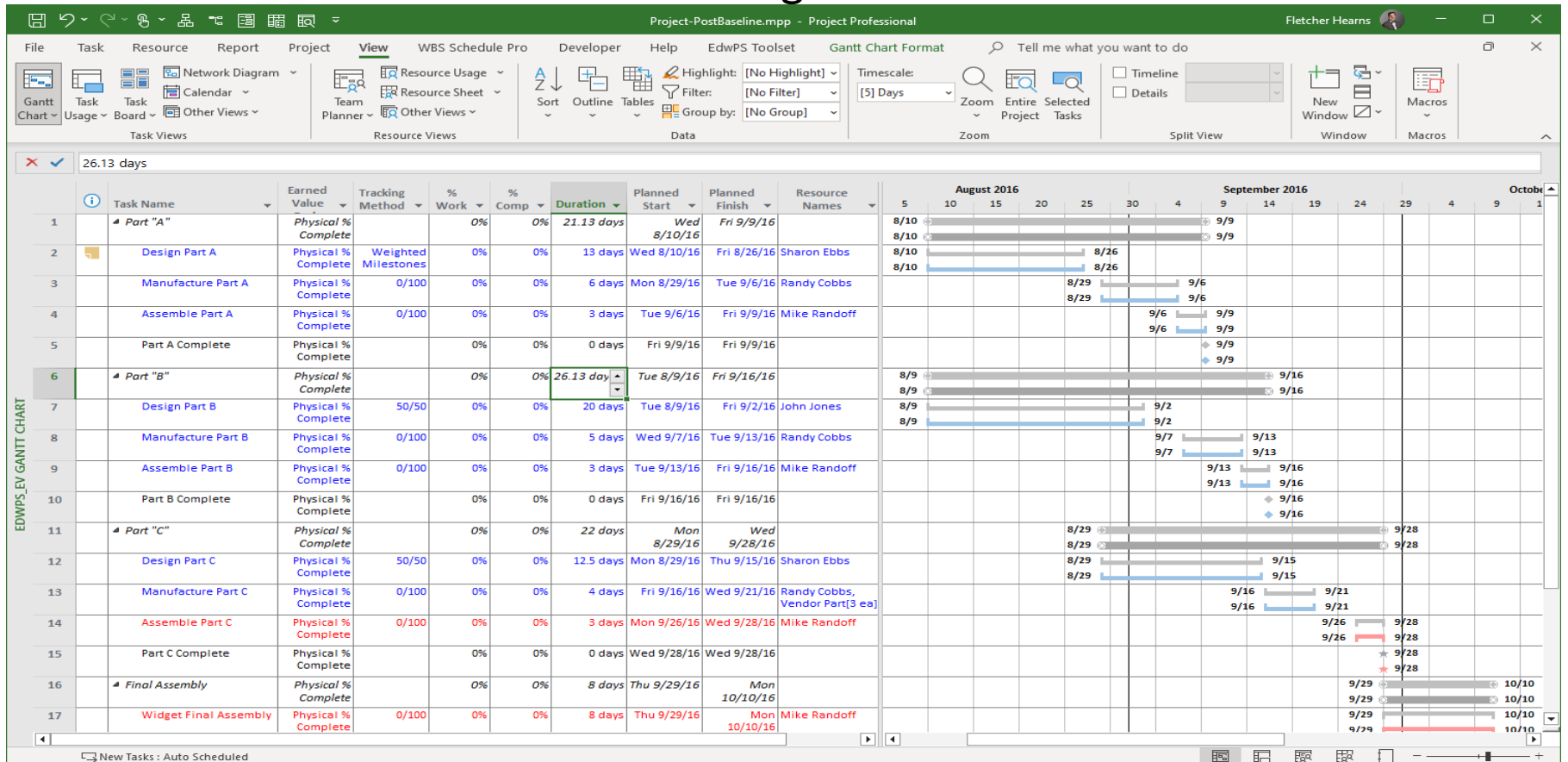
The screenshot displays the Microsoft Project Professional interface. The main window shows an 'EDWPS_EV GANTT CHART' with a table of tasks. The 'Task Form' for 'Manufacture Part C' is open, showing task details and resource assignments.

ID	Task Name	Control Account	Earned Value	Tracking Method	% Work	% Comp	Duration	Planned Start	Planned Finish	EV (BCWP)	PV (BCSW)	AC
10	Part B Complete		Physical % Complete		0%	0%	0 days	Fri 9/16/16	Fri 9/16/16	\$0.00	\$0.00	\$0.00
11	Part "C"		Physical % Complete		0%	0%	22 days	Mon 8/29/16	Wed 9/28/16	\$0.00	\$0.00	\$0.00
12	Design Part C	CA 3.1	Physical % Complete	50/50	0%	0%	12.5 days	Mon 8/29/16	Thu 9/15/16	\$0.00	\$0.00	\$0.00
13	Manufacture Part C	CA 3.2	Physical % Complete	0/100	0%	0%	4 days	Fri 9/16/16	Wed 9/21/16	\$0.00	\$0.00	\$0.00
14	Assemble Part C	CA 3.3	Physical % Complete	0/100	0%	0%	3 days	Mon 9/26/16	Wed 9/28/16	\$0.00	\$0.00	\$0.00
15	Part C Complete		Physical % Complete		0%	0%	0 days	Wed 9/28/16	Wed 9/28/16	\$0.00	\$0.00	\$0.00
16	Final Assembly		Physical % Complete		0%	0%	8 days	Thu 9/29/16	Mon 10/10/16	\$0.00	\$0.00	\$0.00
17	Widget Final Assembly	CA 4.1	Physical % Complete	0/100	0%	0%	8 days	Thu 9/29/16	Mon 10/10/16	\$0.00	\$0.00	\$0.00
18	Management		Physical % Complete		0%	0%	44.9 days	Mon 8/8/16	Mon 10/10/16	\$0.00	\$0.00	\$0.00

ID	Resource Name	Units	Work	Ovt. Work	Baseline Work	Act. Work	Rem. Work
4	Randy Cobbs	100%	32h	0h	0h	0h	32h
6	Vendor Part	3 ea	3 ea	0h	0 ea	0 ea	3 ea

Setting Up Microsoft Project to track EVM

- Now that everything is setup (P-P-P-P-P)
- Set the BASELINE and start tracking EVM





EVM - Updating The schedule to track EVM

Statusing your project - Schedule Control

- Controlling (or status updating) the project schedule involves
 - Determining if the schedule has changed
 - Managing the actual changes when they occur (*update often*)
- To determine and manage the changes to the project schedule, track the actual project progress against the original project plan. (the BASELINE)
- How?
 - Status Sheets
 - Microsoft Project Server
 - Task Update via Timesheets or User Updates
 - Time reporting systems don't give enough information

Statusing your project - Information Needed

- Available information for each resource
 - Was the resource available as planned during the status period?
 - Is the resource going to be available as planned moving forward?
 - Update resource calendars 1st
- Task schedule information
 - If the task has started, when did the work *actually* start (Actual Start)?
 - If the task is complete, when did it *actually* finish (Actual Finish)?
- Task Work/Cost Information for each resource for each task
 - How many hours were worked on the task by the resource?
 - How many more hours are needed to complete the work by each resource?

Statusing your project - Schedule Control

- You need not only what work was performed
- You also need remaining work. Do not assume – Ask the question

Status Report - 8/7/16 through 8/13/16					Actual Work Performed								
Tasks		Reporting Period	Est. Remain.	Actual	Est	Smith		Ebbs		Jones		Randoff	
ID	Description	Actual Work	Work	Start	Comp	8/7	ETC	8/7	ETC	8/7	ETC	8/7	ETC
1	Part A												
2	Design Part A	24	80	8/9/16	8/26/16			24	80				
3	Manufacture Part A												
4	Assemble Part A												
5	Complete Part A												
6	Part B												
7	Design Part B	27	133	8/10/16	9/2/16					27	133		
8	Manufacture Part B												
9	Assemble Part B												
10	Complete Part B												
11	Part C												
12	Design Part C												
13	Manufacture Part C												
14	Assemble Part C												
15	Complete Part C												
16	Final Assembly												
17	Widget Final Assembly												
18	Management												
19	Project Plan	8	0	8/8/16	8/9/16	8	0						
20	Deliver Project Plan			8/9/16	8/9/16								
21	Project Management	32		8/8/16		32							

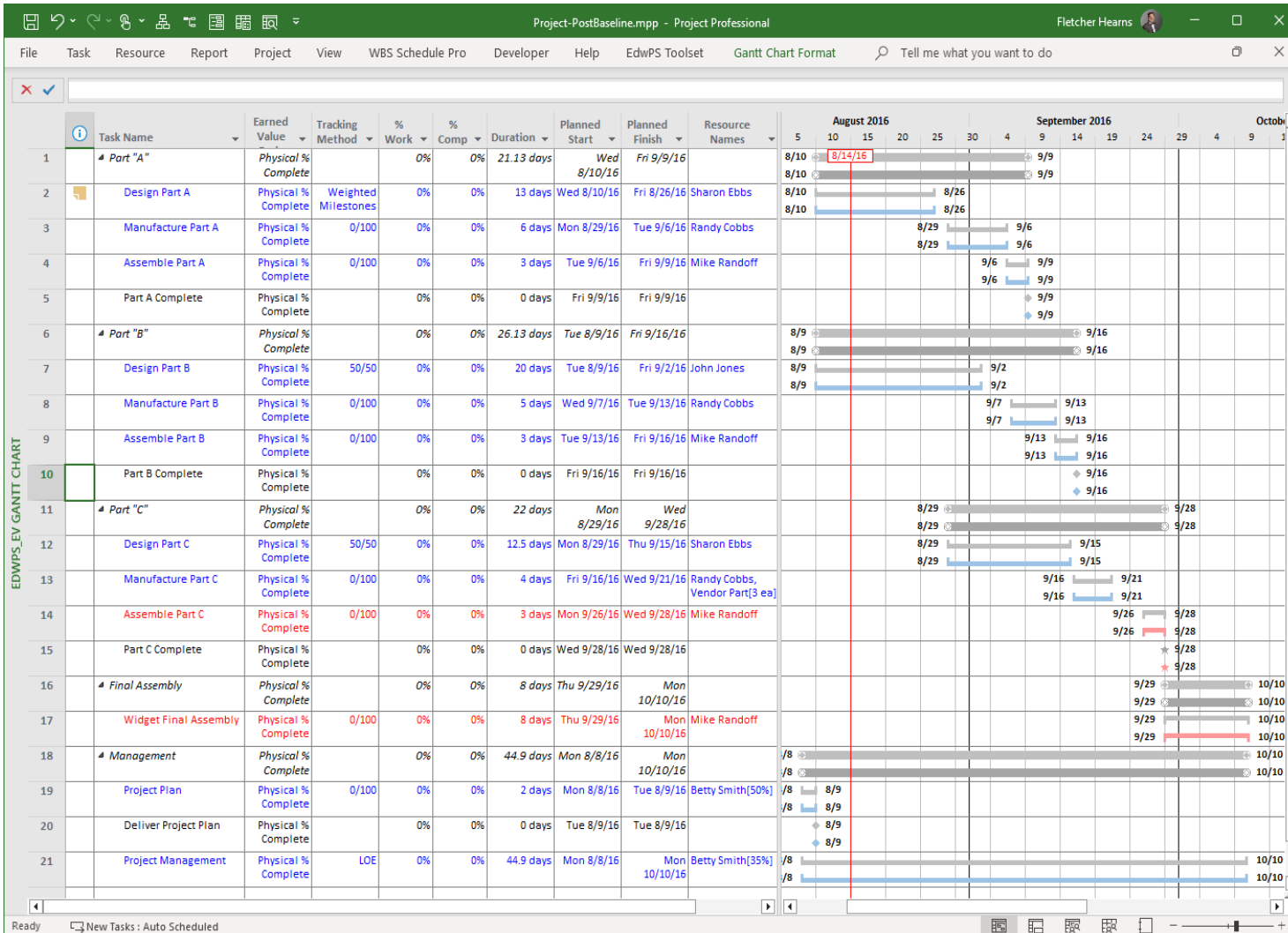
Stutusing your project - Schedule Control

- You **MUST** always start by updating Project Status date

The screenshot displays the Microsoft Project Professional interface. The 'Project Information' dialog box is open, showing the 'Status date' set to 'NA'. The 'Status Date' dialog box is also open, with 'Tue 6/20/23' selected. The background shows a Gantt chart for 'Project-PostBaseline.mpp' with various tasks and their schedules. The status bar at the bottom indicates 'Busy' and 'New Tasks : Auto Scheduled'.

Task ID	Task Name	Physical % Complete	Cost % Complete	Duration	Start	Finish	Resources
11	Part "C"	Complete	0%	22 days	Mon 8/29/16	Wed 9/28/16	
12	Design Part C	Physical % Complete: 50/50	0%	12.5 days	Mon 8/29/16	Thu 9/15/16	Sharon Ebbs
13	Manufacture Part C	Physical % Complete: 0/100	0%	4 days	Fri 9/16/16	Wed 9/21/16	Randy Cobbs, Vendor Part(3 ea)
14	Assemble Part C	Physical % Complete: 0/100	0%	3 days	Mon 9/26/16	Wed 9/28/16	Mike Randoff
15	Part C Complete	Physical % Complete	0%	0 days	Wed 9/28/16	Wed 9/28/16	
16	Final Assembly	Physical % Complete	0%	8 days	Thu 9/29/16	Mon 10/10/16	
17	Widget Final Assembly	Physical % Complete: 0/100	0%	8 days	Thu 9/29/16	Mon 10/10/16	Mike Randoff
18	Management	Physical % Complete	0%	44.9 days	Mon 8/8/16	Mon 10/10/16	

Statusing your project - Schedule Control



- The RED line represents the Status Date
- To the left - work completed
- To the right - work to be completed

Note: Want status line on your project – send email to presenter

Statusing your project - Schedule Control

Status Report - 8/7/16 through 8/13/16					Actual Work Performed								
Tasks		Reporting Period	Est. Remain.	Actual	Est	Smith		Ebbs		Jones		Randoff	
ID	Description	Actual Work	Work	Start	Comp	8/7	ETC	8/7	ETC	8/7	ETC	8/7	ETC
1	Part A												
2	Design Part A	24	80	8/9/16	8/26/16			24	80				
3	Manufacture Part A												
4	Assemble Part A												
5	Complete Part A												
6	Part B												
7	Design Part B	27	133	8/10/16	9/2/16					27	133		
8	Manufacture Part B												
9	Assemble Part B												
10	Complete Part B												
11	Part C												
12	Design Part C												
13	Manufacture Part C												
14	Assemble Part C												
15	Complete Part C												
16	Final Assembly												
17	Widget Final Assembly												
18	Management												
19	Project Plan	8	0	8/8/16	8/9/16	8	0						
20	Deliver Project Plan			8/9/16	8/9/16								
21	Project Management	32		8/8/16		32							

Statusing your project - Update task based on input

- Let update “Design Part B”

The screenshot shows the Microsoft Project Professional interface. The main window displays a Gantt chart with tasks listed in a table. The task 'Design Part B' is highlighted in green. Below the Gantt chart, the 'TASK DETAILS FORM' is open for 'Design Part B', showing its duration, dates, and resource allocation.

ID	Task Name	Earned Value	Tracking Method	% Work	% Comp	Duration	Planned Start	Planned Finish	Actual Start	Actual Finish	Resource Names
4	Assemble Part A	Physical % Complete	0/100	0%	0%	3 days	Tue 9/6/16	Fri 9/9/16	NA	NA	Mike Randof
5	Part A Complete	Physical % Complete		0%	0%	0 days	Fri 9/9/16	Fri 9/9/16	NA	NA	
6	Part "B"	Physical % Complete		0%	0%	26.13 days	Tue 8/9/16	Fri 9/16/16	NA	NA	John Jones/0 Randy Cobbs
7	Design Part B	Physical % Complete	50/50	0%	0%	20 days	Tue 8/9/16	Fri 9/2/16	NA	NA	John Jones
8	Manufacture Part B	Physical % Complete	0/100	0%	0%	5 days	Wed 9/7/16	Tue 9/13/16	NA	NA	Randy Cobbs
9	Assemble Part B	Physical % Complete	0/100	0%	0%	3 days	Tue 9/13/16	Fri 9/16/16	NA	NA	Mike Randof
10	Part B Complete	Physical % Complete		0%	0%	0 days	Fri 9/16/16	Fri 9/16/16	NA	NA	
11	Part "C"	Physical % Complete		0%	0%	22 days	Mon 8/29/16	Wed 9/28/16	NA	NA	
12	Design Part C	Physical % Complete	50/50	0%	0%	12.5 days	Mon 8/29/16	Thu 9/15/16	NA	NA	Sharon Ebbs
13	Manufacture Part C	Physical % Complete	0/100	0%	0%	4 days	Fri 9/16/16	Wed 9/21/16	NA	NA	Randy Cobbs Vendor Part
14	Assemble Part C	Physical % Complete	0/100	0%	0%	3 days	Mon 9/26/16	Wed 9/28/16	NA	NA	Mike Randof
15	Part C Complete	Physical % Complete		0%	0%	0 days	Wed 9/28/16	Wed 9/28/16	NA	NA	
16	Final Assembly	Physical % Complete		0%	0%	8 days	Thu 9/29/16	Mon 10/10/16	NA	NA	
17	Widget Final Assembly	Physical % Complete	0/100	0%	0%	8 days	Thu 9/29/16	Mon 10/10/16	NA	NA	Mike Randof
18	Management	Physical %		7%	4%	44.9 days	Mon 8/8/16	Mon 8/8/16	NA	NA	

ID	Resource Name	Units	Work	Ovt. Work	Baseline Work	Act. Work	Rem. Work
3	John Jones	100%	160h	0h	160h	10h	160h

What we know:

Started on: 8/10/16

Actual work: 27 hrs.

Remaining work: 133 hrs.

Planned finish: 9/2/16

Statusing your project - Update task information

- We have updated "Design Part B"

The screenshot displays the Microsoft Project Professional interface. The main view is a Gantt chart showing the project schedule. Task 7, 'Design Part B', is highlighted in yellow. The task details pane at the bottom shows the following information:

- Name: Design Part B
- Duration: 20 days
- Start: Wed 8/10/16
- Finish: NA
- Task type: Fixed Units
- WBS code: 2.1
- Priority: 500
- % Complete: 17%

The resource usage table at the bottom of the task details pane shows:

ID	Resource Name	Units	Work	Ort. Work	Baseline Work	Act. Work	Rem. Work
3	John Jones	100%	160h	0h	160h	27h	133h

What we know:

Started on: 8/10/16

Actual work: 27 hrs.

Remaining work: 133 hrs.

Planned finish: 9/2/16

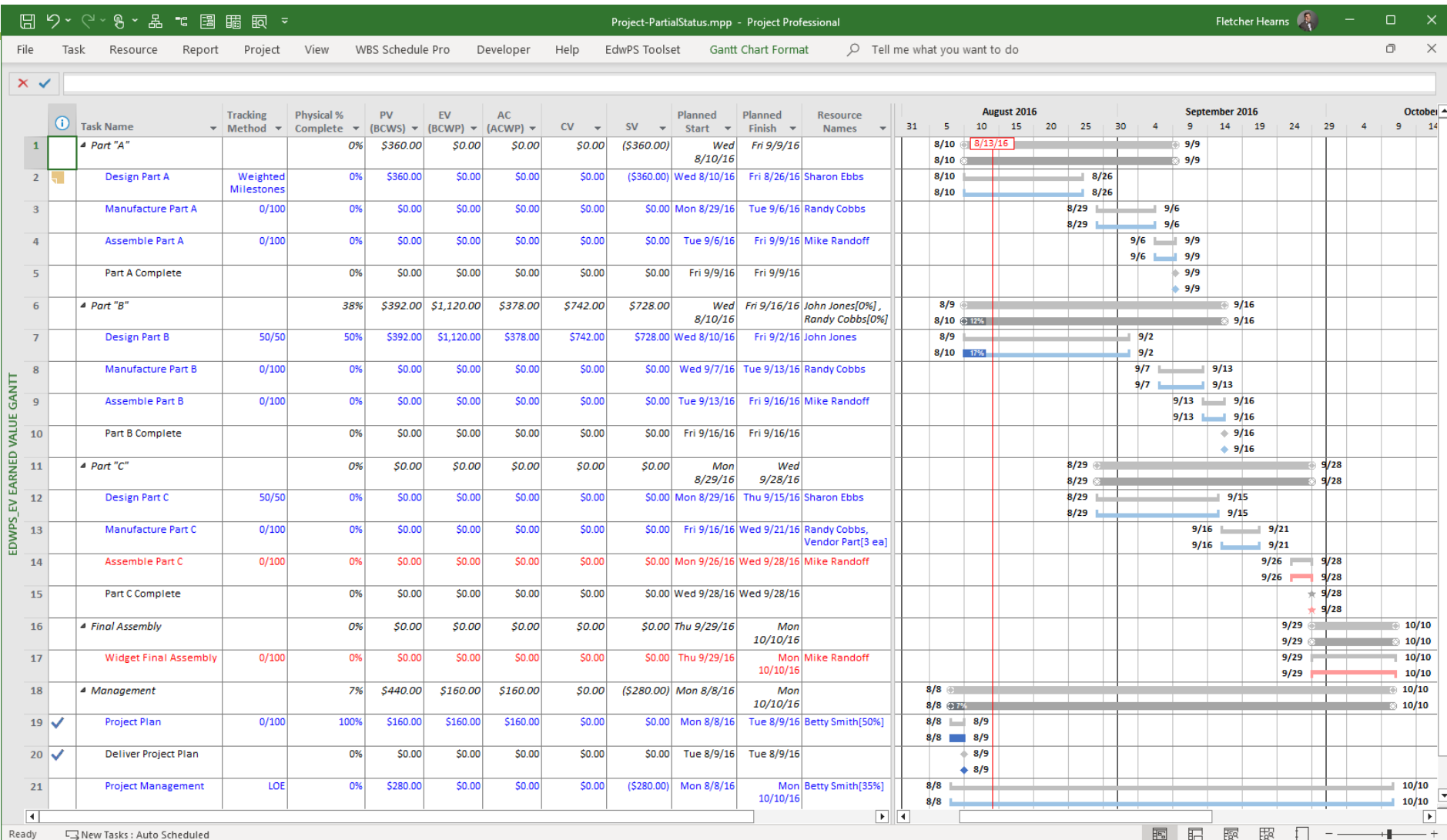
Statusing your project - Claim the EV

- Now take the Earned Value for the task – 50%
 - We get 50% at start and 50% when complete

	Task Name	Earned Value	Tracking Method	Physical %	% Work	% Comp	Duration	Planned Start	Planned Finish	Actual Start	Actual Finish
1	Part "A"	Physical % Complete		20%	0%	0%	21.13 days	Wed 8/10/16	Fri 9/9/16	NA	NA
2	Design Part A	Physical % Complete	Weighted Milestones	30%	0%	0%	13 days	Wed 8/10/16	Fri 8/26/16	NA	NA
3	Manufacture Part A	Physical % Complete	0/100	0%	0%	0%	6 days	Mon 8/29/16	Tue 9/6/16	NA	NA
4	Assemble Part A	Physical % Complete	0/100	0%	0%	0%	3 days	Tue 9/6/16	Fri 9/9/16	NA	NA
5	Part A Complete	Physical % Complete		0%	0%	0%	0 days	Fri 9/9/16	Fri 9/9/16	NA	NA
6	Part "B"	Physical % Complete		38%	12%	12%	26.13 days	Wed 8/10/16	Fri 9/16/16	Wed 8/10/16	NA
7	Design Part B	Physical % Complete	50/50	50%	17%	17%	20 days	Wed 8/10/16	Fri 9/2/16	Wed 8/10/16	NA
8	Manufacture Part B	Physical % Complete	0/100	0%	0%	0%	5 days	Wed 9/7/16	Tue 9/13/16	NA	NA
9	Assemble Part B	Physical % Complete	0/100	0%	0%	0%	3 days	Tue 9/13/16	Fri 9/16/16	NA	NA
10	Part B Complete	Physical % Complete		0%	0%	0%	0 days	Fri 9/16/16	Fri 9/16/16	NA	NA
11	Part "C"	Physical % Complete		0%	0%	0%	22 days	Mon 8/29/16	Wed 9/28/16	NA	NA
12	Design Part C	Physical % Complete	50/50	0%	0%	0%	12.5 days	Mon 8/29/16	Thu 9/15/16	NA	NA
13	Manufacture Part C	Physical % Complete	0/100	0%	0%	0%	4 days	Fri 9/16/16	Wed 9/21/16	NA	NA
14	Assemble Part C	Physical % Complete	0/100	0%	0%	0%	3 days	Mon 9/26/16	Wed 9/28/16	NA	NA
15	Part C Complete	Physical % Complete		0%	0%	0%	0 days	Wed 9/28/16	Wed 9/28/16	NA	NA

TASK DETAILS FORM		Name:	Duration:	<input checked="" type="checkbox"/> Effort driven	<input type="checkbox"/> Manually Scheduled	Previous	Next
		Design Part B	20 days				
Dates:		Start:	Finish:	Constraint:		Task type:	WBS code:
		Wed 8/10/16	NA	As Soon As Possible		Fixed Units	2.1
		Date:		Priority:	% Complete:		
		NA		500	17%		
		<input type="radio"/> Current <input type="radio"/> Baseline <input checked="" type="radio"/> Actual					
ID	Resource Name	Units	Work	Ovt. Work	Baseline Work	Act. Work	Rem. Work
3	John Jones	100%	160h	0h	160h	27h	133h

Statusing your project - Review EVM



Statusing your project - Schedule Control

Status Report - 8/7/16 through 8/13/16					Actual Work Performed								
Tasks		Reporting Period	Est. Remain.	Actual	Est	Smith		Ebbs		Jones		Randoff	
ID	Description	Actual Work	Work	Start	Comp	8/7	ETC	8/7	ETC	8/7	ETC	8/7	ETC
1	Part A												
2	Design Part A*	24	80	8/9/16	8/26/16			24	80				
3	Manufacture Part A												
4	Assemble Part A												
5	Complete Part A												
6	Part B												
7	Design Part B	27	133	8/10/16	9/2/16					27	133		
8	Manufacture Part B												
9	Assemble Part B												
10	Complete Part B												
11	Part C												
12	Design Part C												
13	Manufacture Part C												
14	Assemble Part C												
15	Complete Part C												
16	Final Assembly												
17	Widget Final Assembly												
18	Management												
19	Project Plan	8	0	8/8/16	8/9/16	8	0						
20	Deliver Project Plan			8/9/16	8/9/16								
21	Project Management	32		8/8/16		32							

* - Component 01 Complete

Statusing your project - Task Update

Project-PartialStatus2.mpp - Project Professional

File Task Resource Report Project View WBS Schedule Pro Developer Help EdwPS Toolset Gantt Chart Format Tell me what you want to do

Format Critical Tasks Slack Late Tasks Task Path Baseline Slippage Gantt Chart Style Outline Number Project Summary Task Summary Tasks Show/Hide Drawings

Task Name	Earned Value	Tracking Method	Physical % Complete	% Work	% Comp	Duration	Planned Start	Planned Finish	Actual Start	Actual Finish	Res
Part "A"	Physical % Complete		20%	14%	14%	21.13 days	Wed 8/10/16	Fri 9/9/16	Wed 8/10/16	NA	
Design Part A	Physical % Complete	Weighted Milestones	30%	23%	23%	13 days	Wed 8/10/16	Fri 8/26/16	Wed 8/10/16	NA	Sharon
Manufacture Part A	Physical % Complete	0/100	0%	0%	0%	6 days	Mon 8/29/16	Tue 9/6/16	NA	NA	Randy
Assemble Part A	Physical % Complete	0/100	0%								
Part A Complete	Physical % Complete		0%								
Part "B"	Physical % Complete		38%								
Design Part B	Physical % Complete	50/50	50%								
Manufacture Part B	Physical % Complete	0/100	0%								
Assemble Part B	Physical % Complete	0/100	0%								
Part B Complete	Physical % Complete		0%								
Part "C"	Physical % Complete		0%								
Design Part C	Physical % Complete	50/50	0%								
Manufacture Part C	Physical % Complete	0/100	0%								
Assemble Part C	Physical % Complete	0/100	0%	0%	0%	3 days	Mon 9/26/16	Wed 9/28/16	NA	NA	MIKE
Part C Complete	Physical % Complete		0%	0%	0%	0 days	Wed 9/28/16	Wed 9/28/16	NA	NA	
Final Assembly	Physical %		0%	0%	0%	8 days	Thu 9/29/16	Mon	NA	NA	

Task Information

General Predecessors Resources Advanced Notes Custom Fields

Name: Design Part A Duration: 13 days Estimated

Notes:

The estimate for Design Part A is based on

- The type of material required
- The skill level of the designer
-

Weighted Milestones for Design Part A

- Design Component 01 – 30%
- Design Component 02 – 30%
- Design Component 03 – 30%
- Review and Complete Design – 10%

Help OK Cancel

Task Details Form

Name: Design Part A Duration: 13 days Effort driven Manually Scheduled Previous Next

Dates Start: Wed 8/10/16 Finish: NA

Constraint As Soon As Possible Date: NA

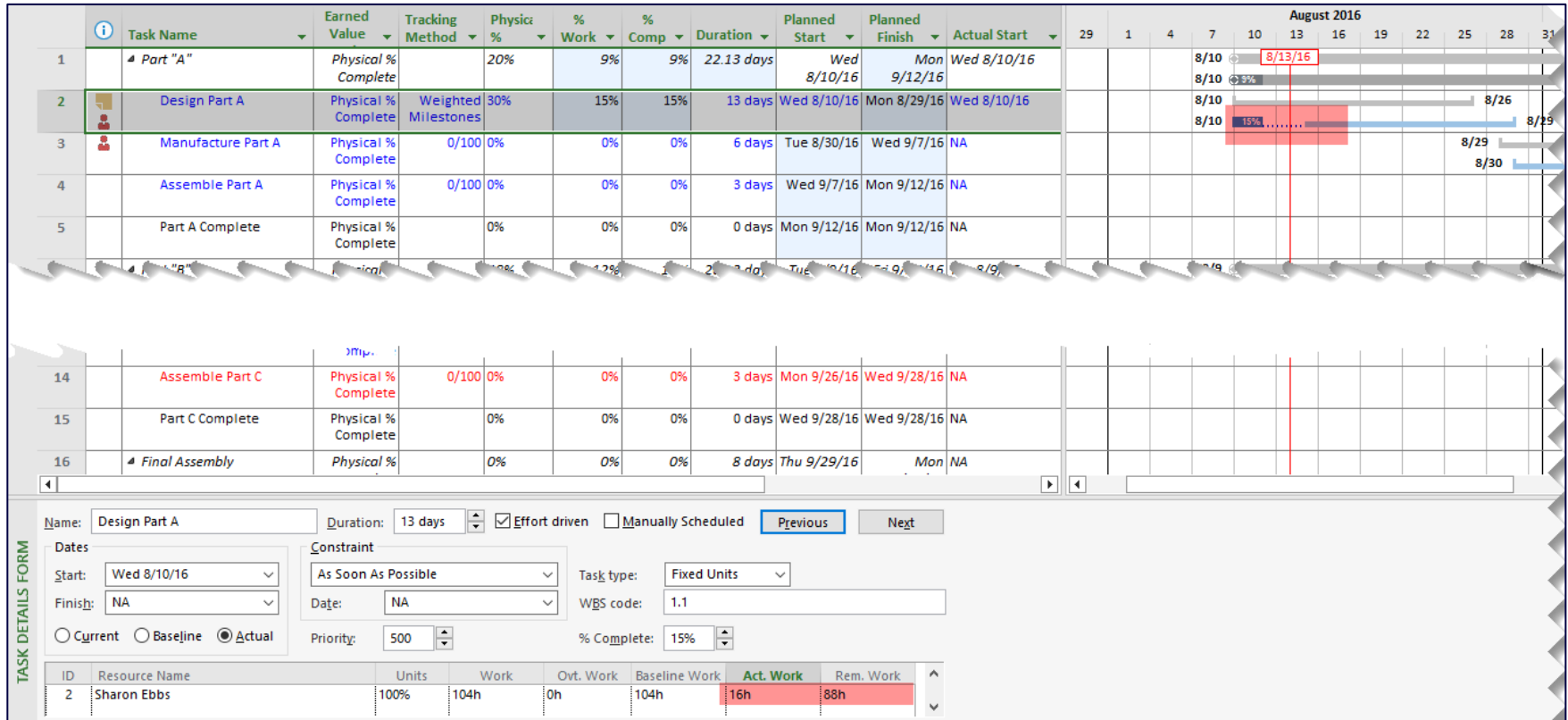
Task type: Fixed Units WBS code: 1.1

Priority: 500 % Complete: 23%

ID	Resource Name	Units	Work	Ovt. Work	Baseline Work	Act. Work	Rem. Work
2	Sharon Ebbs	100%	104h	0h	104h	24h	80h

Statusing your project - Task Update – Not as planned

- Work not completed as planned (16 hrs. vs 24 hrs.)



- With options set, Microsoft Project reschedules uncompleted work after Status Date

Statusing your project - Task Update – Detailed

- For our friends who need finer granularity....

The screenshot displays the Microsoft Project Professional interface with the 'Task Usage' view selected. The main area shows a Gantt chart and a task usage table. The task 'Design Part A' is highlighted, and its details are shown in the 'TASK DETAILS FORM' at the bottom.

ID	Resource Name	Units	Work	Ort. Work	Baseline Work	Act. Work	Rem. Work
2	Sharon Ebbs	100%	104h	0h	104h	24h	80h

The 'TASK DETAILS FORM' for 'Design Part A' shows the following information:

- Name: Design Part A
- Duration: 13 days
- Effort driven: Effort driven
- Manually Scheduled: Manually Scheduled
- Start: Wed 8/10/16
- Finish: Fri 8/26/16
- Constraint: As Soon As Possible
- Task type: Fixed Units
- Priority: 500
- % Complete: 23%

Statusing your project - Task Update – Detailed

- For our friends who need finer granularity....

The screenshot displays the Microsoft Project Professional interface. The main view is a Gantt chart with a task usage grid below it. The task 'Design Part A' is selected, and its usage is detailed in the grid. The grid shows work hours for various resources across a timeline from August 7, 2016, to August 14, 2016. A red highlight is placed on the 'Act. Work' row for Sharon Ebbs, indicating 8 hours of work on August 8th and 8 hours on August 9th.

Task Name	Work	Duration	Start	Finish
Part "A"	176 hrs	21.13 days	Wed 8/10/16	Fri 9/9/16
Design Part A	104 hrs	13 days	Wed 8/10/16	Fri 8/26/16
Sharon Ebbs	104 hrs		Wed 8/10/16	Fri 8/26/16
Manufacture Part A	48 hrs	6 days	Mon 8/29/16	Tue 9/6/16
Randy Cobbs	48 hrs		Mon 8/29/16	Tue 9/6/16
Assemble Part A	24 hrs	3 days	Tue 9/6/16	Fri 9/9/16
Mike Randoff	24 hrs		Tue 9/6/16	Fri 9/9/16
Part A Complete	0 hrs	0 days	Fri 9/9/16	Fri 9/9/16
Part "B"	224 hrs	26.13 days	Tue 8/9/16	Fri 9/16/16
John Jones	0 hrs		Tue 8/9/16	Tue 8/9/16
Randy Cobbs	0 hrs		Tue 8/9/16	Tue 8/9/16
Mike Randoff	0 hrs		Tue 8/9/16	Tue 8/9/16
Design Part B	160 hrs	20 days	Tue 8/9/16	Fri 9/2/16

TASK DETAILS FORM

Name: Design Part A | Duration: 13 days | Effort driven | Manually Scheduled | Previous | Next

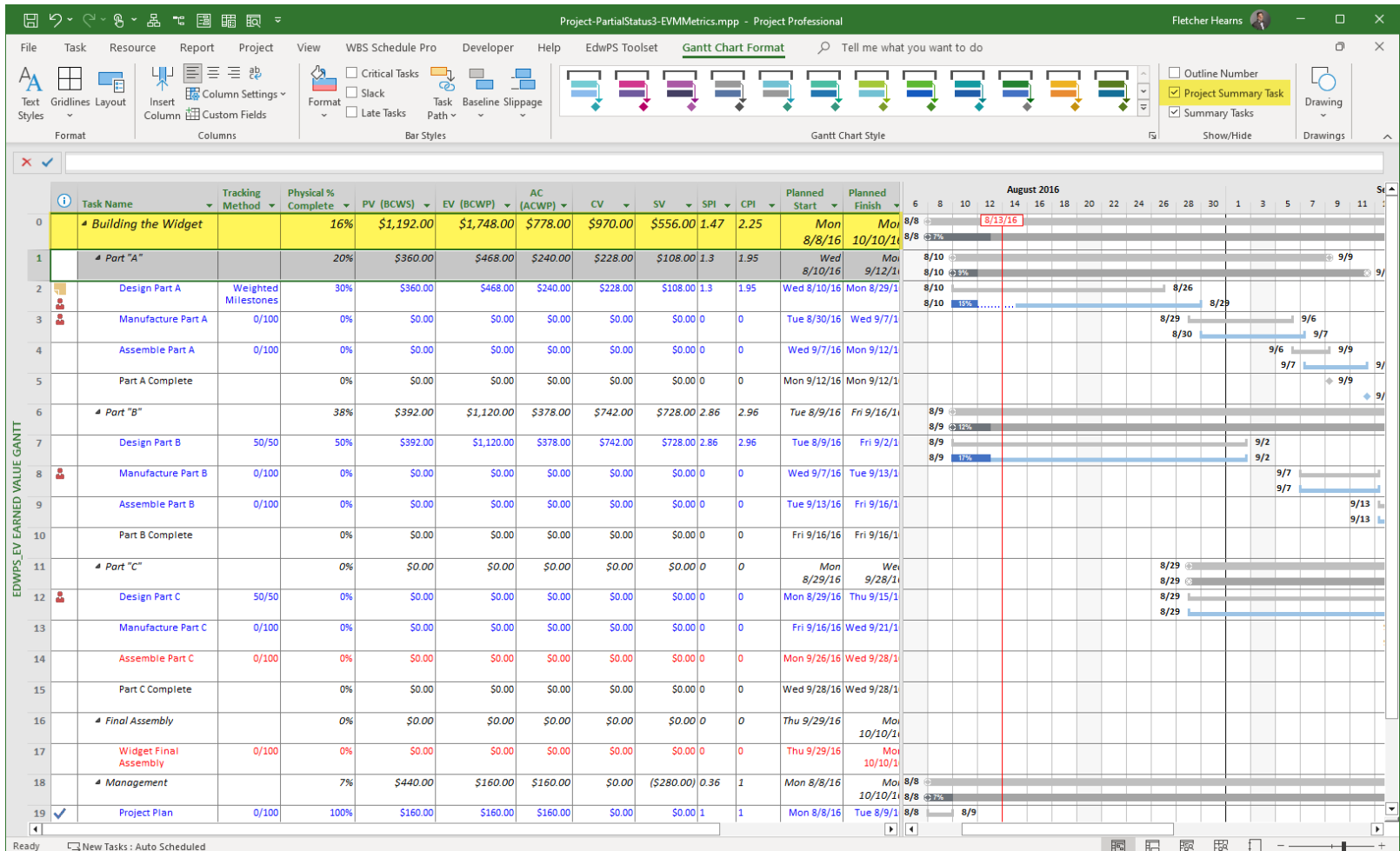
Start: Wed 8/10/16 | Constraint: As Soon As Possible | Task type: Fixed Units | WBS code: 1.1

Finish: Fri 8/26/16 | Date: NA | Priority: 500 | % Complete: 23%

ID	Resource Name	Units	Work	Ovt. Work	Baseline Work	Act. Work	Rem. Work
2	Sharon Ebbs	100%	104h	0h	104h	24h	80h



Statusing your project - EVM Review

- Let's look at the overall EVM Status



Earned Value Analysis

- Indicators to Look for in Earned Value Analysis

Measurement	 A Good Thing	 A Bad Thing
Cost Variance (CV)	0 or +	-
Schedule Variance (SV)	0 or +	-
CPI	≥ 1.0	< 1.0
SPI	≥ 1.0	< 1.0
VAC	0 or +	-
TCPI	≤ 1.0	> 1.0

Statusing your project - Things to remember

Things to remember

- Update your schedule often
- Don't make assumptions about Work done or not done
- Don't make assumptions about Start and Finish dates
- Ask Questions

Questions?

*To learn more about the topic of this presentation,
please contact...*

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