

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessor	Resource Names	Actual Start
1		JWST Quicklook	513 days	Thu 5/11/17	Tue 4/30/19			Thu 5/11/17
2								
3		Project Scope	244 days	Thu 5/11/17	Tue 4/17/18			Thu 5/11/17
4		Collect INS Requirements	47 days	Thu 5/11/17	Fri 7/14/17			Thu 5/11/17
5		Time requirements from various teams	47 days	Thu 5/11/17	Fri 7/14/17		Frances	Thu 5/11/17
6		Availability of resources from various teams	47 days	Thu 5/11/17	Fri 7/14/17		Frances	Thu 5/11/17
7		Team requirements with regard to functions	47 days	Thu 5/11/17	Fri 7/14/17		Frances	Thu 5/11/17
8								
9		Establish Interfaces with external groups (e.g. ...)	10 days	Mon 7/17/17	Fri 7/28/17			Mon 7/17/17
10		Identify OED Resources	10 days	Mon 7/17/17	Fri 7/28/17	7,5,6	Frances	Mon 7/17/17
11								
12		Create project scope and timeline	60 days	Mon 7/17/17	Fri 10/6/17	5,6,7	Frances	Mon 7/17/17
13		Create a Phase A proposal for the Webb Mission Office	67 days	Mon 7/17/17	Tue 10/17/17	5,6,7	Frances	Mon 7/17/17
14		Assemble presentation and dry run	1 day	Wed 10/18/17	Wed 10/18/17	13	Frances	Wed 10/18/...
15		Presentation of Phase A proposal to Webb Mission Office	1 day	Wed 10/18/17	Wed 10/18/17	13	Frances	Wed 10/18/...
16								
17		Production Environment	56 days	Wed 11/1/17	Wed 1/17/18			Wed 11/1/17
18		Production environment requirements definition	8 days	Wed 11/1/17	Fri 11/10/17	15FS+9 day	Matthe	Wed 11/1/17
19		Submit request to ITSD	1 day	Fri 11/3/17	Fri 11/3/17	18	Matthe	Fri 11/3/17
20		ITSD Deployment	48 days	Mon 11/13/17	Wed 1/17/18			Mon 11/13/...
21		Test production environment	48 days	Mon 11/13/17	Wed 1/17/18	19FS+5 day	Matthe	Mon 11/13/...
22		Production environment available to project team	0 days	Wed 1/17/18	Wed 1/17/18	21	Matthe	NA
23								
24		Database Technology	53 days	Wed 11/8/17	Fri 1/19/18			Wed 11/8/17
25		List technology solution to be assessed	3 days	Wed 11/8/17	Fri 11/10/17			Wed 11/8/17
26		Gather inputs from area experts (e.g. MAST)	3 days	Wed 11/8/17	Fri 11/10/17	15FS+14 d	Matthe	Wed 11/8/17

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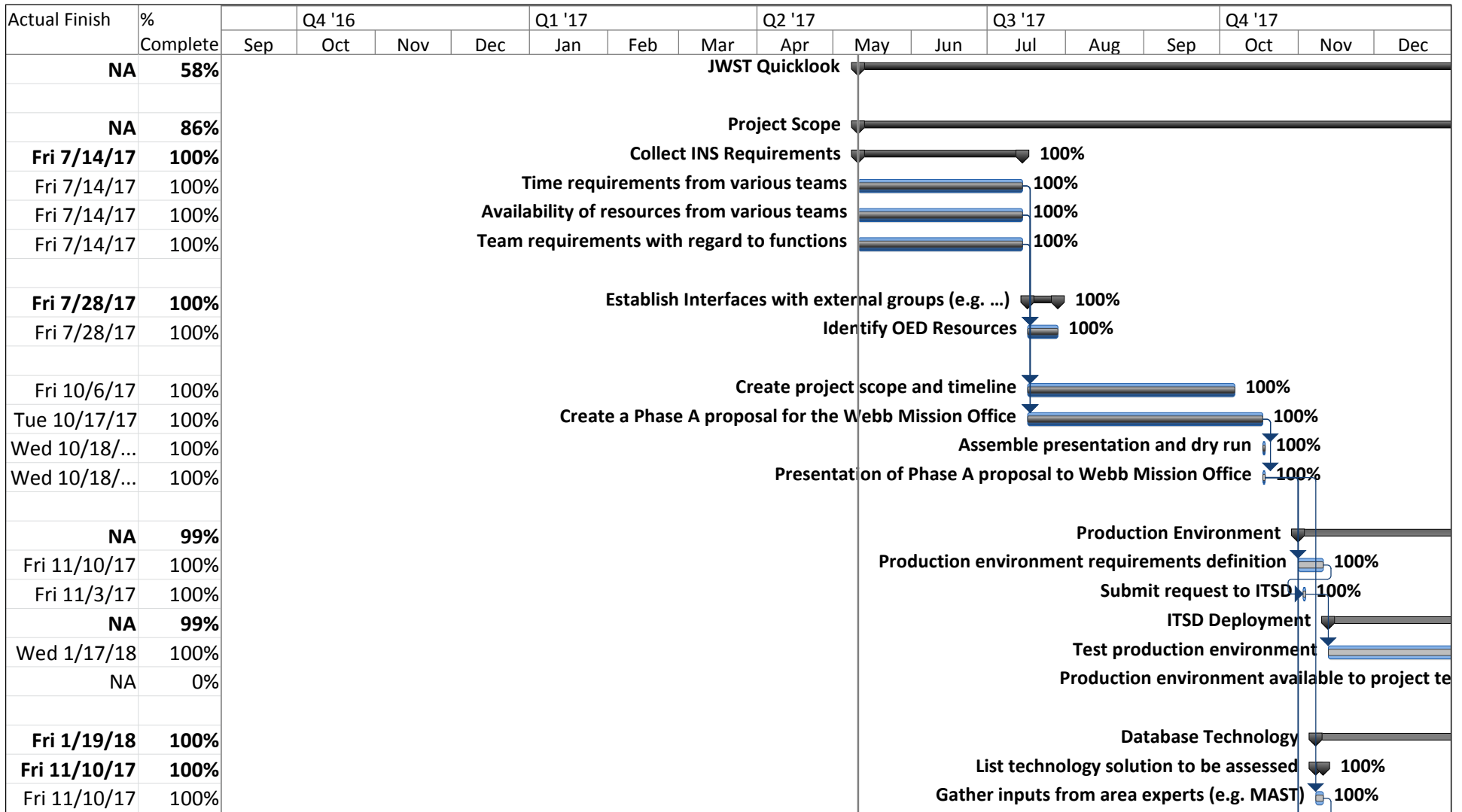
ID	Task Mode	Task Name	Duration	Start	Finish	Predecessor	Resource Names	Actual Start
27	✓	List technology capabilities	5 days	Mon 11/13/17	Fri 11/17/17	26	Matthe	Mon 11/13/...
28	✓	Put together an evaluation matrix: capabilities ...	4 days	Mon 11/27/17	Thu 11/30/17	27FS+5 day	Matthe	Mon 11/27/...
29	✓	Decide on technology	3 days	Fri 12/1/17	Tue 12/5/17	28	Quicklo	Fri 12/1/17
30	✓	Technology implementation	13 days	Wed 1/3/18	Fri 1/19/18	29	ITSD	Wed 1/3/18
31								
32	!	Database Schema	86 days	Tue 12/19/17	Tue 4/17/18		Matthe	Tue 12/19/17
33	✓	Instrument specific data type/file format/hea...	0 days	Tue 12/19/17	Wed 1/3/18	30	JWST Te	Tue 12/19/17
34	✓	Create Schema	16 days	Wed 2/7/18	Wed 2/28/18	33FS+15 da	Quicklo	Wed 2/7/18
35	✓	Implement Schema	22 days	Thu 3/1/18	Fri 3/30/18	34	Quicklo	Thu 3/1/18
36		Document Schema	12 days	Mon 4/2/18	Tue 4/17/18	35	Quicklo	NA
37								
38	!	File System	101 days	Wed 11/1/17	Wed 3/21/18		Matthe	Wed 11/1/17
39	✓	Solicit inputs from MAST (i.e. What do they do?)	101 days	Wed 11/1/17	Wed 3/21/18	15FS+9 day	MAST,C	Wed 11/1/17
40	✓	Solicit inputs from DSMO (i.e. What is their vision?)	101 days	Wed 11/1/17	Wed 3/21/18	15FS+9 day	DSMO,C	Wed 11/1/17
41	✓	Work with area experts ...	101 days	Wed 11/1/17	Wed 3/21/18	15FS+9 day		Wed 11/1/17
42		Filesystem organization and partitioning (if n...)	101 days	Wed 11/1/17	Wed 3/21/18	15FS+9 day		NA
43		1) MILESTONE: PRODUCTION ENVIRONMENT ...	0 days	Wed 3/21/18	Wed 3/21/18	42		NA
44								
45		Code Base	137 days	Thu 2/22/18	Fri 8/31/18		Matthe	Thu 2/22/18
46	✓	Identify software development standards	16 days	Thu 2/22/18	Thu 3/15/18		Bryan H	Thu 2/22/18
47	✓	Implement tools enabling software development	6 days	Fri 3/16/18	Fri 3/23/18	46		Fri 3/16/18
48		Build code base	115 days	Fri 3/23/18	Fri 8/31/18			Fri 3/23/18
49		Ingestion of data into filesystem	0 days	Fri 3/23/18	Fri 3/23/18	47	MAST,C	NA
50		Ingestion of data into database	0 days	Fri 3/23/18	Fri 3/23/18	49	MAST,C	NA
51		Creation and maintenance of database	0 days	Fri 3/23/18	Fri 3/23/18	50	MAST,C	NA
52		Generation of "Quicklook" images	15 days	Mon 5/28/18	Fri 6/15/18	51	MAST,C	Mon 5/28/18

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53		Maintenance of filesystem	20 days	Mon 6/18/18	Fri 7/13/18	52	MAST,C	Mon 6/18/18
54		Building the web framework	35 days	Mon 7/16/18	Fri 8/31/18	53	MAST,C	Mon 7/16/18
55		2) MILESTONE: DB SCHEMA AND CODE BASE	0 days	Fri 8/31/18	Fri 8/31/18	54		NA
56								
57		Testing	43 days	Mon 9/3/18	Wed 10/31/18			NA
58		User beta testing	43 days	Mon 9/3/18	Wed 10/31/18	55	Quicklook	NA
59		3) MILESTONE: TESTING	0 days	Wed 10/31/18	Wed 10/31/18	58		NA
60								
61		Web Interface	128 days	Thu 11/1/18	Tue 4/30/19			NA
62		NIRCAM	66 days	Thu 11/1/18	Thu 1/31/19	59	Quicklook	NA
63		NIRSPEC	66 days	Thu 11/1/18	Thu 1/31/19	59	Quicklook	NA
64		MIRI	66 days	Thu 11/1/18	Thu 1/31/19	59	Quicklook	NA
65		NIRISS	66 days	Thu 11/1/18	Thu 1/31/19	59	Quicklook	NA
66		FGS	66 days	Thu 11/1/18	Thu 1/31/19	59	Quicklook	NA
67		4) MILESTONE: INSTRUMENT SPECIFICS C...	0 days	Thu 1/31/19	Thu 1/31/19	62,63,64,65		NA
68								
69		JWST LAUNCH	0 days	Tue 4/30/19	Tue 4/30/19	67		NA

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Date: Tue 4/3/18

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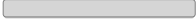


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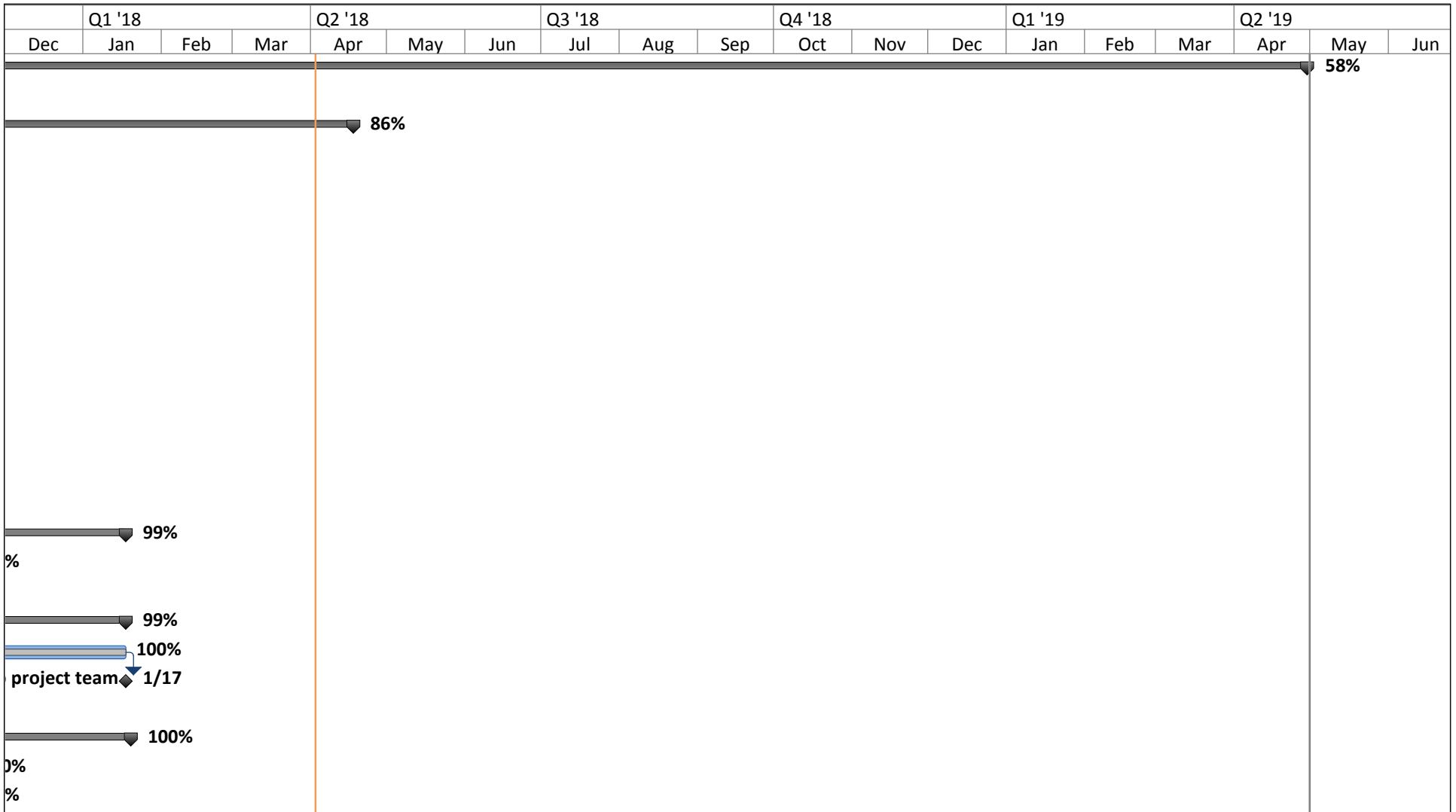
Actual Finish	% Complete	Q4 '16				Q1 '17			Q2 '17			Q3 '17			Q4 '17				
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec		
Fri 11/17/17	100%																	List technology capabilities	100%
Thu 11/30/17	100%																	Put together an evaluation matrix: capabilities ...	100%
Tue 12/5/17	100%																	Decide on technology	100%
Fri 1/19/18	100%																	Technology implementation	
																		Database Schema	
NA	76%																	Creation	
Wed 1/3/18	100%																	Implementation	
Wed 2/28/18	100%																		
Fri 3/30/18	100%																		
NA	0%																		
																		File System	
NA	75%																	Solicit inputs from MAST (i.e. What do they do?)	
Wed 3/21/18	100%																	Solicit inputs from DSMO (i.e. What is their vision?)	
Wed 3/21/18	100%																	Work with area experts ...	
Wed 3/21/18	100%																	Filesystem organization and partitioning (if n...)	
NA	0%																	1) MILESTONE: PRODUCT	
NA	0%																		
NA	43%																	Identify software development	
Thu 3/15/18	100%																	Implement tools enabling software	
Fri 3/23/18	100%																		
NA	25%																		
NA	0%																		
NA	0%																		
NA	0%																		
NA	65%																		

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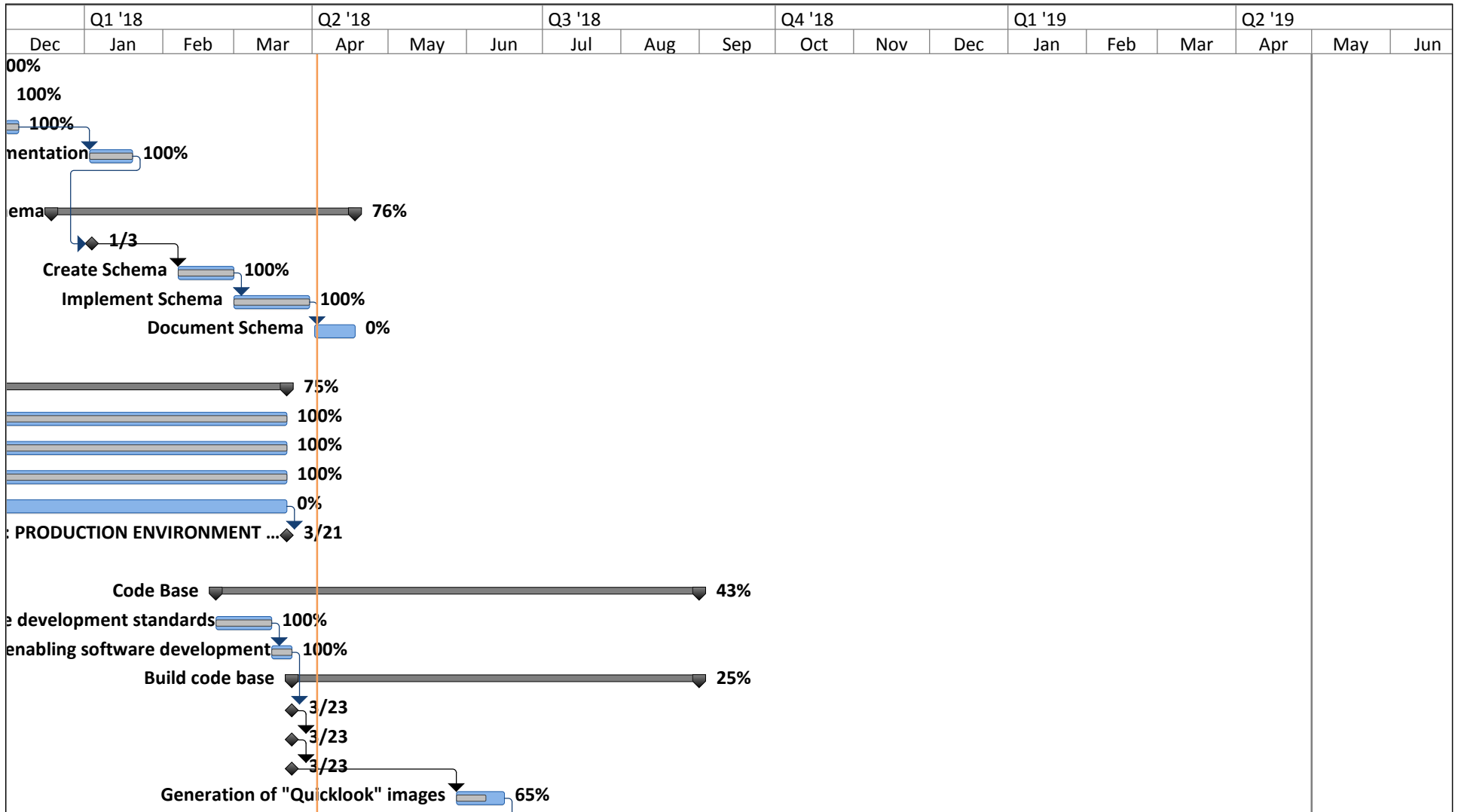
Actual Finish	% Complete	Q4 '16				Q1 '17			Q2 '17			Q3 '17			Q4 '17		
		Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
NA	20%																
NA	10%																
NA	0%																
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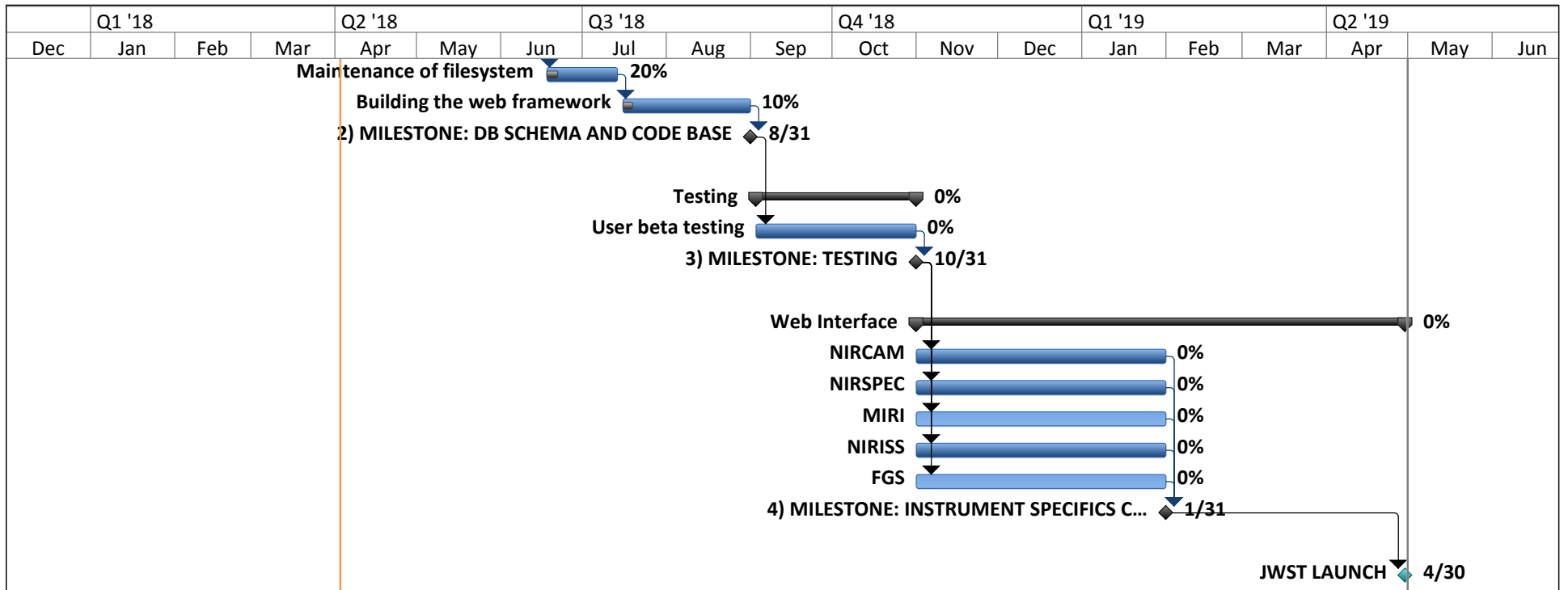
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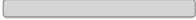




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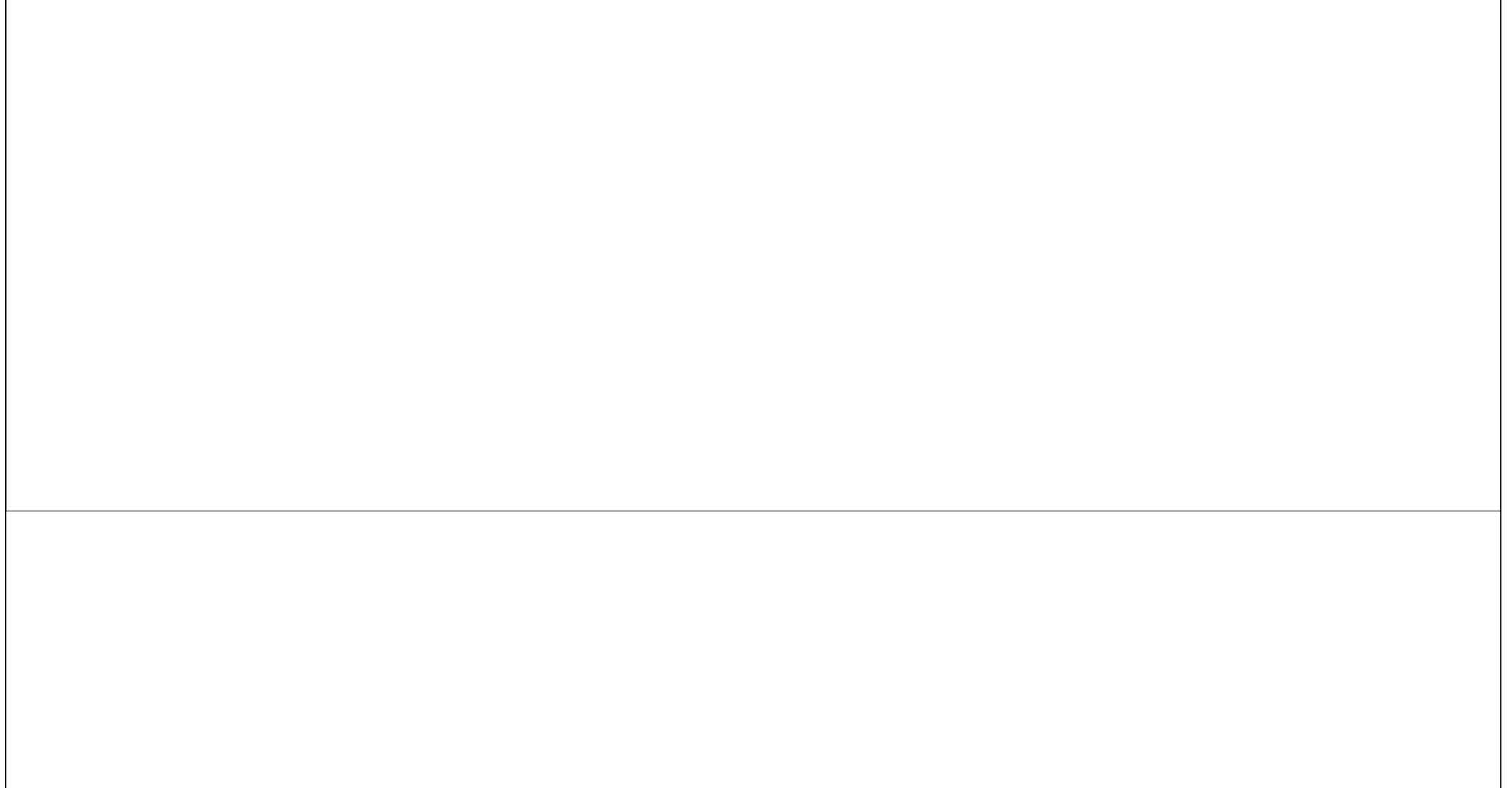
	Q3 '19			Q4 '19			Q1 '20			Q2 '20			Q3 '20			Q4 '20		
Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

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	Q3 '19			Q4 '19			Q1 '20			Q2 '20			Q3 '20			Q4 '20		
Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec

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	Q3 '19			Q4 '19			Q1 '20			Q2 '20			Q3 '20			Q4 '20		
Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec



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