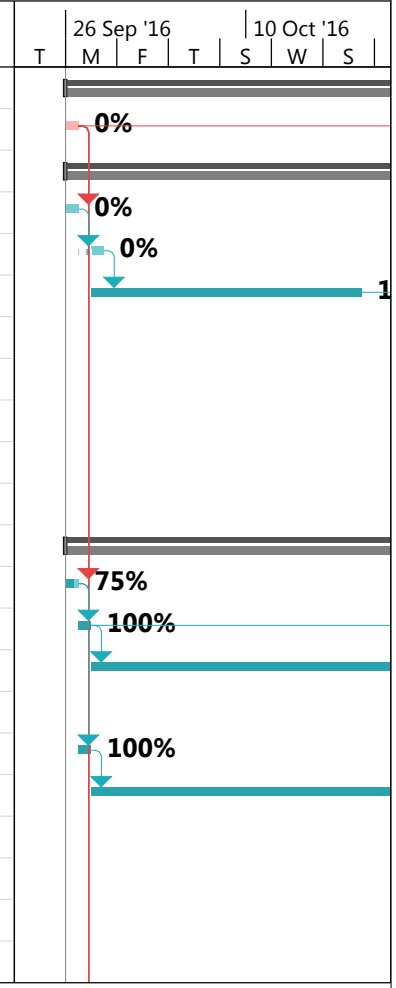
Cansat 2016 Project EKC Dover Jan 16 2017

ID	Task Mode	Task Name	Duration	Start	Finish
1		**Complete Project Cansat EKC Spitfires 2016**	**121 days?**	**Mon 26/09/16**	**Mon 13/03/17**
2		CanSat Build Start	1 day?	Mon 26/09/16	Mon 26/09/16
3		**1.0 Mechanical design**	**80 days?**	**Mon 26/09/16**	**Fri 13/01/17**
4		**Mechanical**	1 day?	Mon 26/09/16	Mon 26/09/16
5		1.1 Brainstorming	1 day	Tue 27/09/16	Wed 28/09/16
6	✓	1.2 Design Can on CAD	15 days	Wed 28/09/16	Tue 18/10/16
7		1.3 Manufacture Protype 3D printing	21 days	Tue 08/11/16	Tue 06/12/16
8		1.4 Test Protype	5 days	Wed 07/12/16	Tue 13/12/16
9		1.5Test Impact control	20 days	Wed 14/12/16	Tue 10/01/17
10		1.6 Redesign Can based on results	1 day?	Wed 11/01/17	Wed 11/01/17
11		**1.7 Build final design Can**	2 days	Thu 12/01/17	Fri 13/01/17
12		**2.0 Electronics hardware**	**86.5 days?**	**Mon 26/09/16**	**Tue 24/01/17**
13		**Electronics**	1 day	Mon 26/09/16	Mon 26/09/16
14	✓	2.1 Brainstorming	1 day	Tue 27/09/16	Tue 27/09/16
15	✓	2.2 Protype primary mission	31 days	Wed 28/09/16	Wed 09/11/16
16		2.2.1 Calibrate primary mission	1 day?	Thu 10/11/16	Thu 10/11/16
17	✓	2.3 Brainstorm secondry mission	1 day	Tue 27/09/16	Tue 27/09/16
18		2.3.1 Protype secondry mission	50 days	Wed 28/09/16	Tue 06/12/16
19		2.3.2 Calibrate secondry mission	1 day?	Wed 07/12/16	Wed 07/12/16
20		2.4 Test combined missions	1 day?	Thu 08/12/16	Thu 08/12/16
21		2.5 Protype solar panels	1 day	Fri 09/12/16	Fri 09/12/16
22		2.5.1 test sollar panels	1 day?	Mon 12/12/16	Mon 12/12/16



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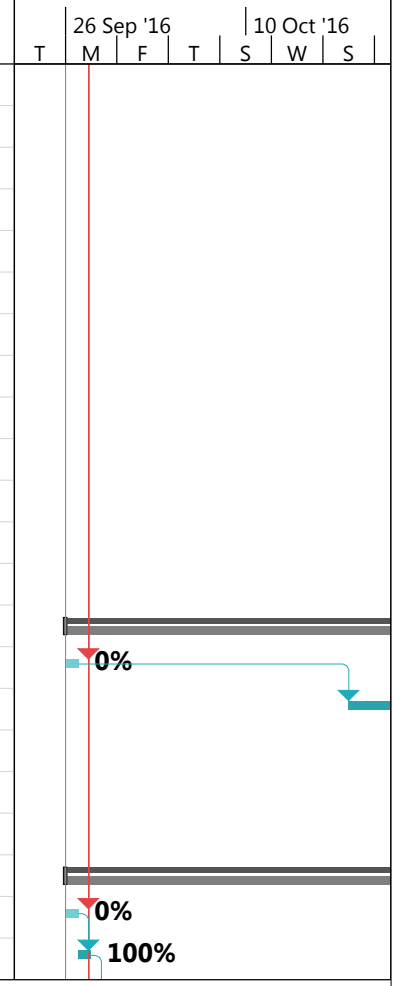
23		2.6 Protype Sheilding	1 day?	Fri 09/12/16	Fri 09/12/16
24		2.6.1 Test Sheilding	1 day?	Mon 12/12/16	Mon 12/12/16
25		2.7 Component compliance	1 day?	Tue 13/12/16	Tue 13/12/16
26		2.7.1 component Location	1 day?	Wed 14/12/16	Wed 14/12/16
27		2.7.2 component Vibration Profing	1 day?	Thu 15/12/16	Thu 15/12/16
28		2.8.1 PCB design	31 days	Tue 01/11/16	Fri 06/01/17
29		2.8.2 PCB board manufacture	1 day	Fri 06/01/17	Mon 09/01/17
30		2.8.3 PCB test	7 days	Mon 09/01/17	Wed 18/01/17
31		2.8.4 Final changes to PCB layout	1 day	Wed 18/01/17	Thu 19/01/17
32		2.8.5 Order PCBS	1 day	Thu 19/01/17	Fri 20/01/17
33		2.8.6 Solder compoments final version	1 day?	Fri 20/01/17	Mon 23/01/17
34		2.8.7 Install Solar panels	1 day?	Tue 13/12/16	Tue 13/12/16
35		**2.9 Install Elecronics into Can**	1 day?	Mon 23/01/17	Tue 24/01/17
36		**3.0 Software programming**	**115 days?**	**Mon 26/09/16**	**Fri 03/03/17**
37		**Software**	1 day?	Mon 26/09/16	Mon 26/09/16
38	✓	3.1 Cansat software ver 1	40 days	Tue 18/10/16	Mon 12/12/16
39		3.2 Cansat software ver 2	37 days	Tue 13/12/16	Wed 01/02/17
40		3.3 Cansat software Final	21 days	Thu 02/02/17	Thu 02/03/17
41		**3.4 Install software into Can**	1 day?	Fri 03/03/17	Fri 03/03/17
42		**4.0 Parachute**	**117 days?**	**Mon 26/09/16**	**Tue 07/03/17**
43		**Parachute**	1 day?	Mon 26/09/16	Mon 26/09/16
44	✓	4.1 Brainstorming	1 day	Tue 27/09/16	Tue 27/09/16



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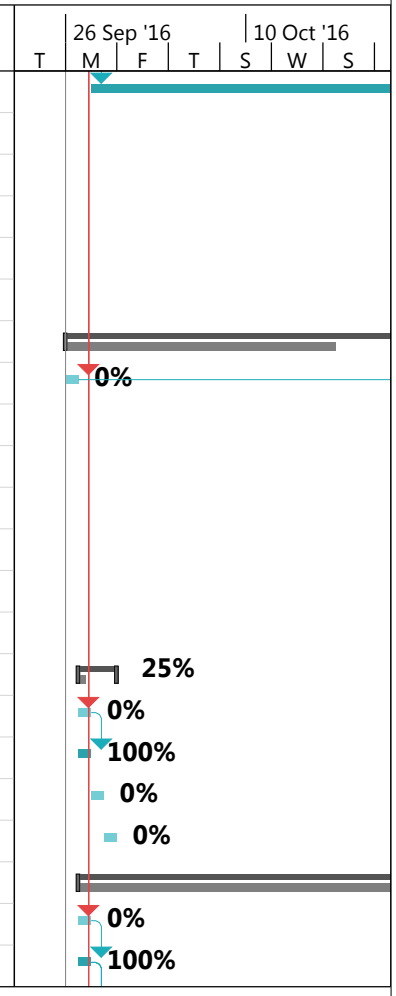
ID	Task Mode	Task Name	Duration	Start	Finish
45		4.2 Make Calculations for paracute	31 days	Wed 28/09/16	Wed 09/11/16
46		4.3 make protype parachute	23 days	Thu 10/11/16	Mon 12/12/16
47		4.4 Test parachute in wind tunnel	6 days	Tue 13/12/16	Tue 20/12/16
48		4.5 Drop Test parachute with dummy can	9 days	Wed 21/12/16	Mon 02/01/17
49		4.6 Review test provid required decent rate	1 day?	Tue 03/01/17	Tue 03/01/17
50		**4.7 Fit parachute to Can**	1 day?	Tue 07/03/17	Tue 07/03/17
51		**5.0 Radio communication**	**116 days?**	**Mon 26/09/16**	**Mon 06/03/17**
52		**Radio Can**	1 day?	Mon 26/09/16	Mon 26/09/16
53		5.1 Brainstorming	1 day	Fri 04/11/16	Fri 04/11/16
54		5.2 Protype radio comunications	6 days	Mon 07/11/16	Mon 14/11/16
55		5.2.1 test radio comunications short range	1 day?	Tue 15/11/16	Tue 15/11/16
56		5.3 Protype Long range arial	1 day?	Wed 16/11/16	Wed 16/11/16
57		5.3.1 test long range arial	1 day?	Thu 17/11/16	Thu 17/11/16
58		**5.4 Install Communication board into Can**	1 day?	Mon 06/03/17	Mon 06/03/17
59		**6.0 Advertisement and Sponsorship**	**3 days?**	**Tue 27/09/16**	**Thu 29/09/16**
60		**Advertising Sponsorship**	1 day?	Tue 27/09/16	Tue 27/09/16
61		6.1 Brainstorming	1 day	Tue 27/09/16	Tue 27/09/16
62		6.2 Sponsers	1 day?	Wed 28/09/16	Wed 28/09/16
63		6.3 EKC ?	1 day?	Thu 29/09/16	Thu 29/09/16
64		**7.0 Outreach**	**65.5 days?**	**Tue 27/09/16**	**Tue 27/12/16**
65		**Outreach**	1 day?	Tue 27/09/16	Tue 27/09/16
66		7.1 Brainstorming	1 day	Tue 27/09/16	Tue 27/09/16



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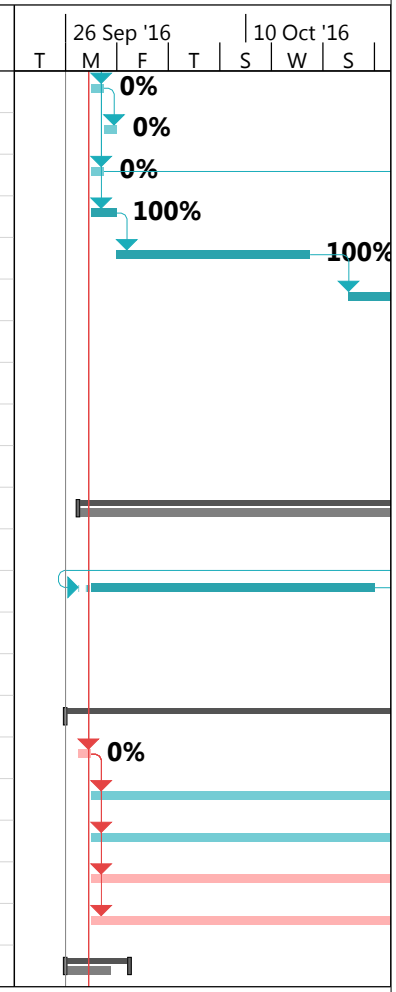
ID	Task Mode	Task Name	Duration	Start	Finish
67		7.2 Website	1 day?	Wed 28/09/16	Wed 28/09/16
68		7.2.1 Domain name	1 day?	Thu 29/09/16	Thu 29/09/16
69		7.3 Team speech	1 day	Wed 28/09/16	Wed 28/09/16
70		7.4 Race to The Moon Idea	2 days	Wed 28/09/16	Thu 29/09/16
71		7.4.1 Protype and test ballon rocket	11 days	Fri 30/09/16	Fri 14/10/16
72		7.4.2 Protype school kids rocket race	26 days	Tue 18/10/16	Tue 22/11/16
73		7.4.3 design outreach lesson plan for kids	14 days	Wed 23/11/16	Mon 12/12/16
74		7.4.4 design Power point presentation	14 days	Wed 23/11/16	Tue 27/12/16
75		7.5 Travel to school deliver outreach	1 day?	Tue 13/12/16	Tue 13/12/16
76		7.6 Evaluate outreach add to report	1 day?	Wed 14/12/16	Wed 14/12/16
77		**8.0 Progress reports**	**95 days?**	**Tue 27/09/16**	**Mon 06/02/17**
78		Reports	1 day?	Thu 15/12/16	Thu 15/12/16
79		8.1 Progress report 1	16 days	Tue 27/09/16	Wed 19/10/16
80		8.2 Progress report 2	26 days	Mon 07/11/16	Mon 12/12/16
81		8.3 Progress report 3	37 days	Fri 16/12/16	Mon 06/02/17
82		**9.0 Finanance**	**72 days?**	**Mon 26/09/16**	**Tue 03/01/17**
83		Finance	1 day?	Tue 27/09/16	Tue 27/09/16
84		9.1 Cansat parts	41 days	Wed 28/09/16	Wed 23/11/16
85		9.2 Test equipment	41 days	Wed 28/09/16	Wed 23/11/16
86		9.3 travel	71 days	Wed 28/09/16	Wed 04/01/17
87		9.4 Accodadation	71 days	Wed 28/09/16	Wed 04/01/17
88		**10.0 Travel**	**5 days?**	**Mon 26/09/16**	**Fri 30/09/16**



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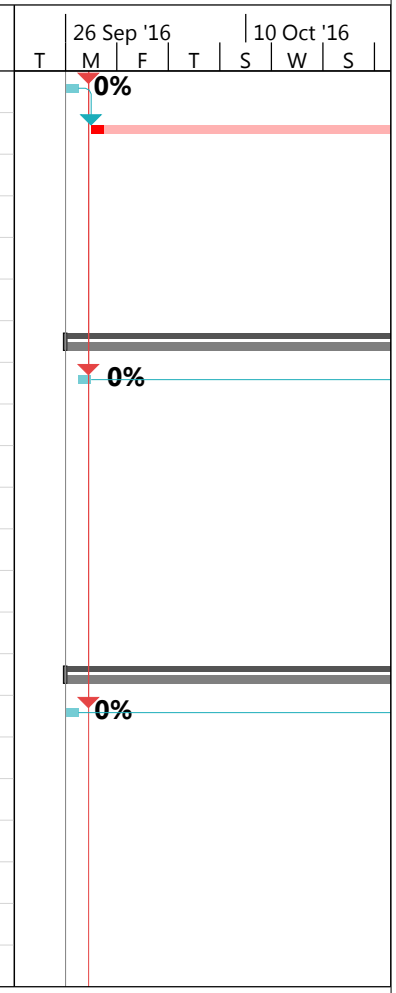
ID	Task Mode	Task Name	Duration	Start	Finish
89		**Travel**	1 day?	Mon 26/09/16	Mon 26/09/16
90		10.1 Define method	20 days	Wed 28/09/16	Tue 25/10/16
91		10.2 Aquire funding	1 day	Thu 22/12/16	Thu 22/12/16
92		10.3 Book accododation	1 day	Fri 06/01/17	Fri 06/01/17
93		10.4 Book travel	1 day	Fri 06/01/17	Fri 06/01/17
94		**10.5 Travel to York for CanSat**			
95		**11.0 Base Station**	**54 days?**	**Mon 26/09/16**	**Thu 08/12/16**
96		**Base Station**	1 day?	Tue 27/09/16	Tue 27/09/16
97		11.0 Brain storming	3 days	Fri 25/11/16	Tue 29/11/16
98		11.1 Base station sensors	9 days	Wed 30/11/16	Mon 12/12/16
99		11.2 Base station communication	9 days	Wed 30/11/16	Mon 12/12/16
100		11.3 Base station User Interface	9 days	Wed 30/11/16	Mon 12/12/16
101		11.4 Base station yargi ariel	9 days	Wed 30/11/16	Mon 12/12/16
102		**11.5 Basetsation complete**	1 day?	Tue 13/12/16	Tue 13/12/16
103		**12.0 Backup equipment**	**54 days?**	**Mon 26/09/16**	**Thu 08/12/16**
104		**Backup**	1 day?	Mon 26/09/16	Mon 26/09/16
105		12.1 backup brainstorming	1 day	Fri 25/11/16	Fri 25/11/16
106		12.2 Build backup CanSat	11 days	Mon 28/11/16	Mon 12/12/16
107		12.3 Build backup Basestation	11 days	Mon 28/11/16	Mon 12/12/16
108		12.4 Make backup Arial	11 days	Mon 28/11/16	Mon 12/12/16
109		12.5 Make backup parachute	11 days	Mon 28/11/16	Mon 12/12/16
110		**12.6 Backup procedures /equipment ready**	1 day?	Wed 14/12/16	Wed 14/12/16



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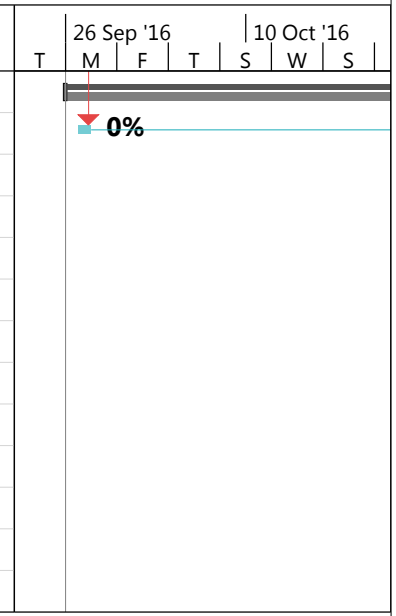
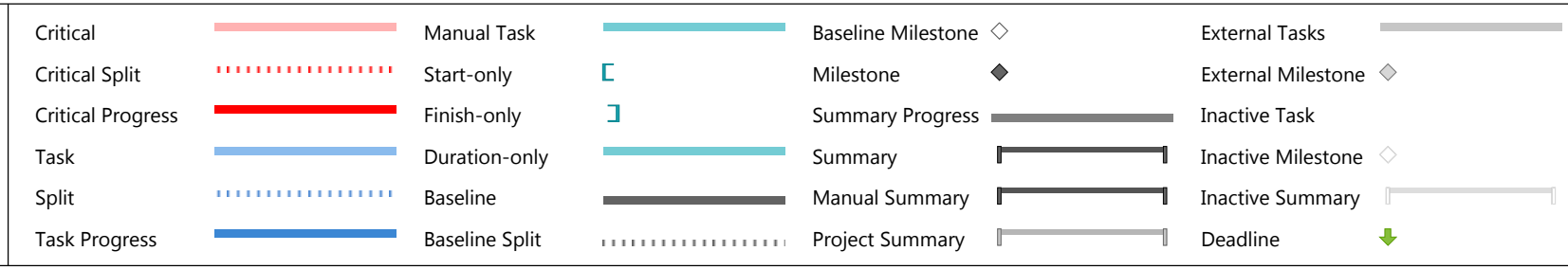
111		**13 .0 Launch procedures**	**54 days?**	**Mon 26/09/16**	**Thu 08/12/16**
112		**Launch checks**	1 day?	Tue 27/09/16	Tue 27/09/16
113		13.1 launchday check sheet	12 days	Fri 25/11/16	Mon 12/12/16
114		13.2 launch procedures practiced	1 day?	Fri 10/03/17	Fri 10/03/17
115		**Ready for Lift Off**	1 day	Mon 13/03/17	Mon 13/03/17
116		**CanSat Build End**	**1 day**	**Thu 02/03/17**	**Thu 02/03/17**
117		**All CanSat Parts installed**	1 day?	Wed 08/03/17	Wed 08/03/17
118		**Base Station Ready**	1 day?	Wed 14/12/16	Wed 14/12/16
119		**Flight testing**	1 day?	Thu 09/03/17	Thu 09/03/17
120		Parachute Test	1 day?	Fri 10/03/17	Fri 10/03/17
121		Comms test	1 day?	Fri 10/03/17	Fri 10/03/17
122		Base Station Test	1 day?	Fri 10/03/17	Fri 10/03/17
123			1 day?	Fri 10/03/17	Fri 10/03/17





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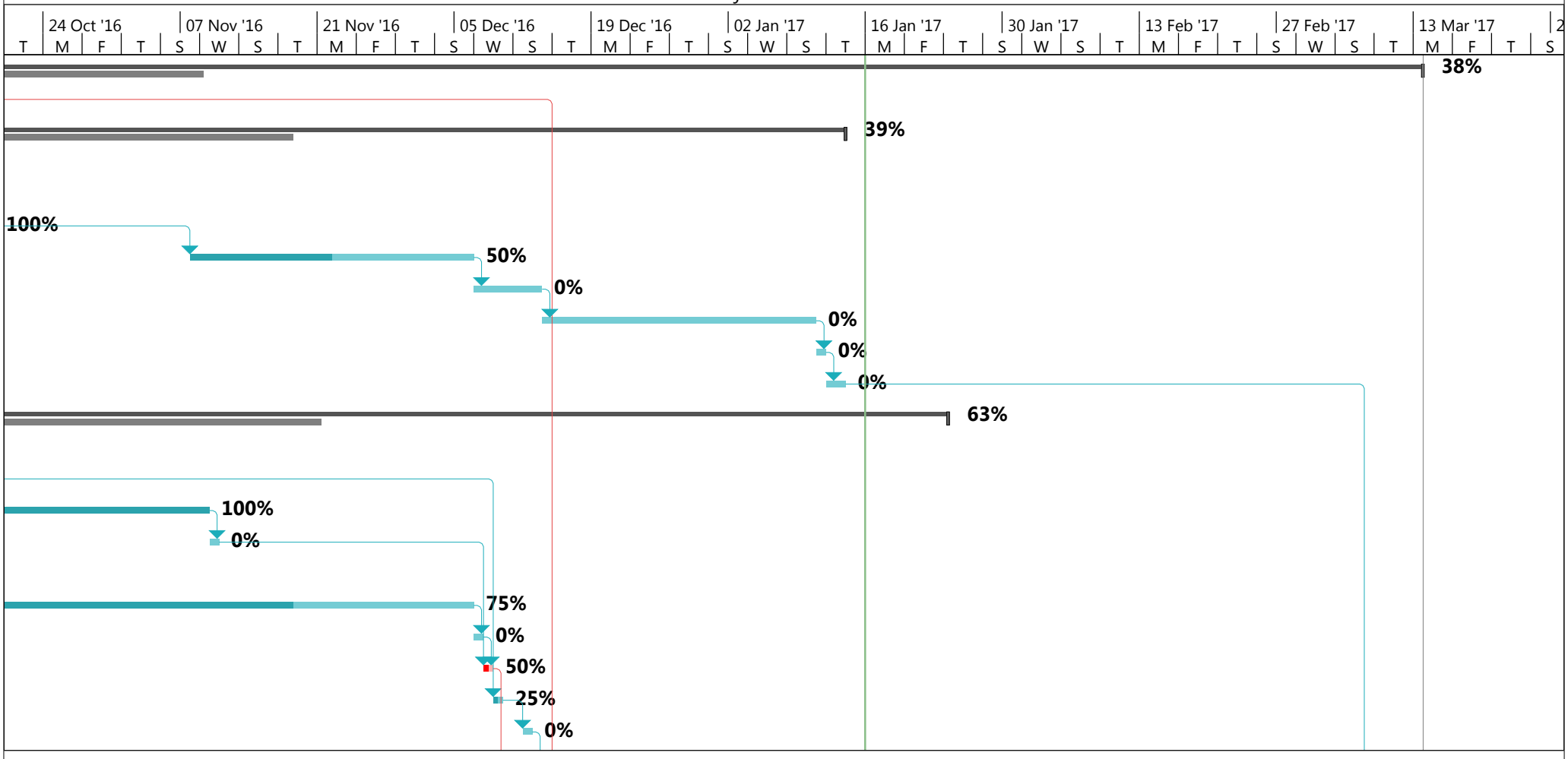

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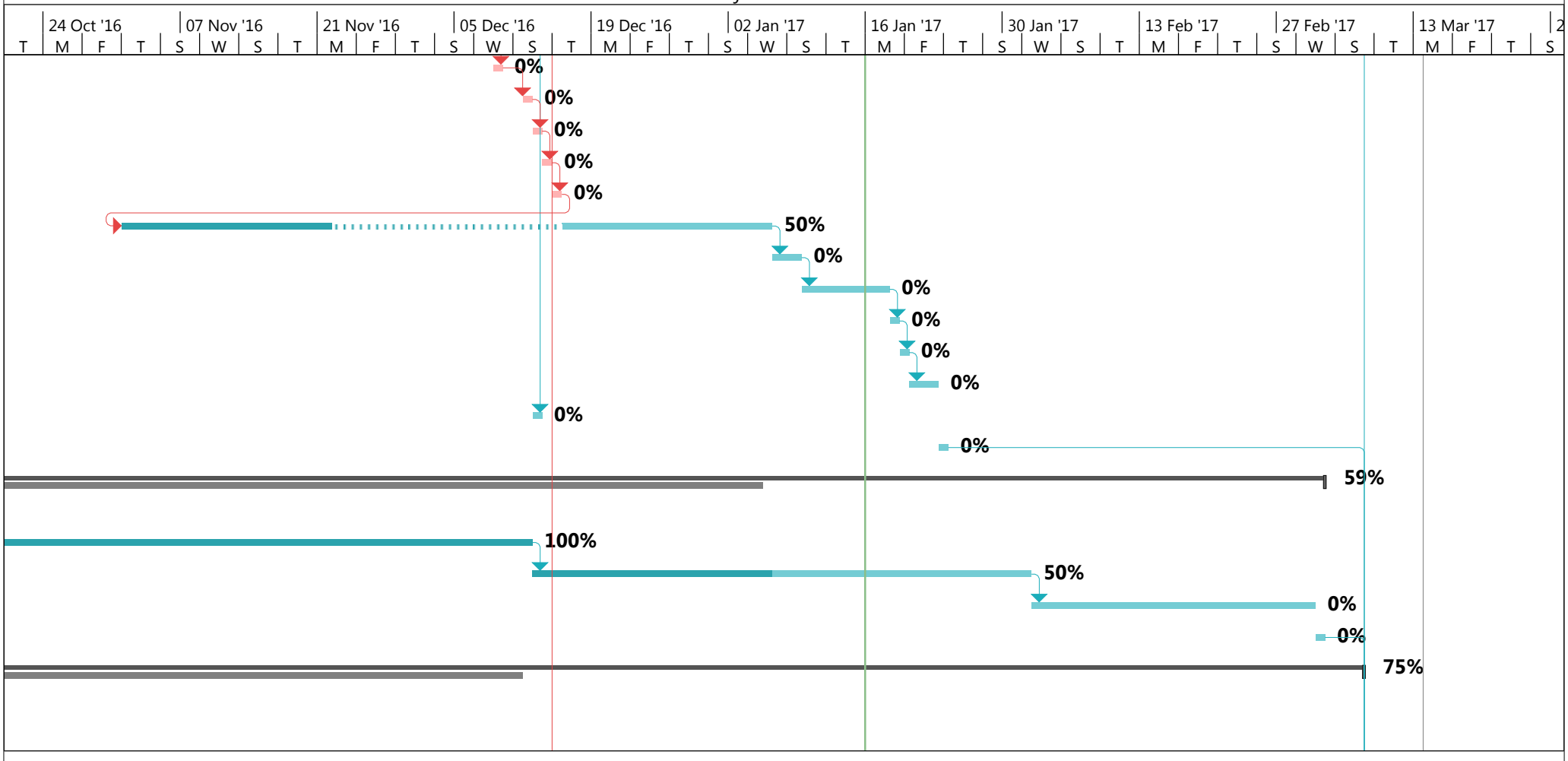

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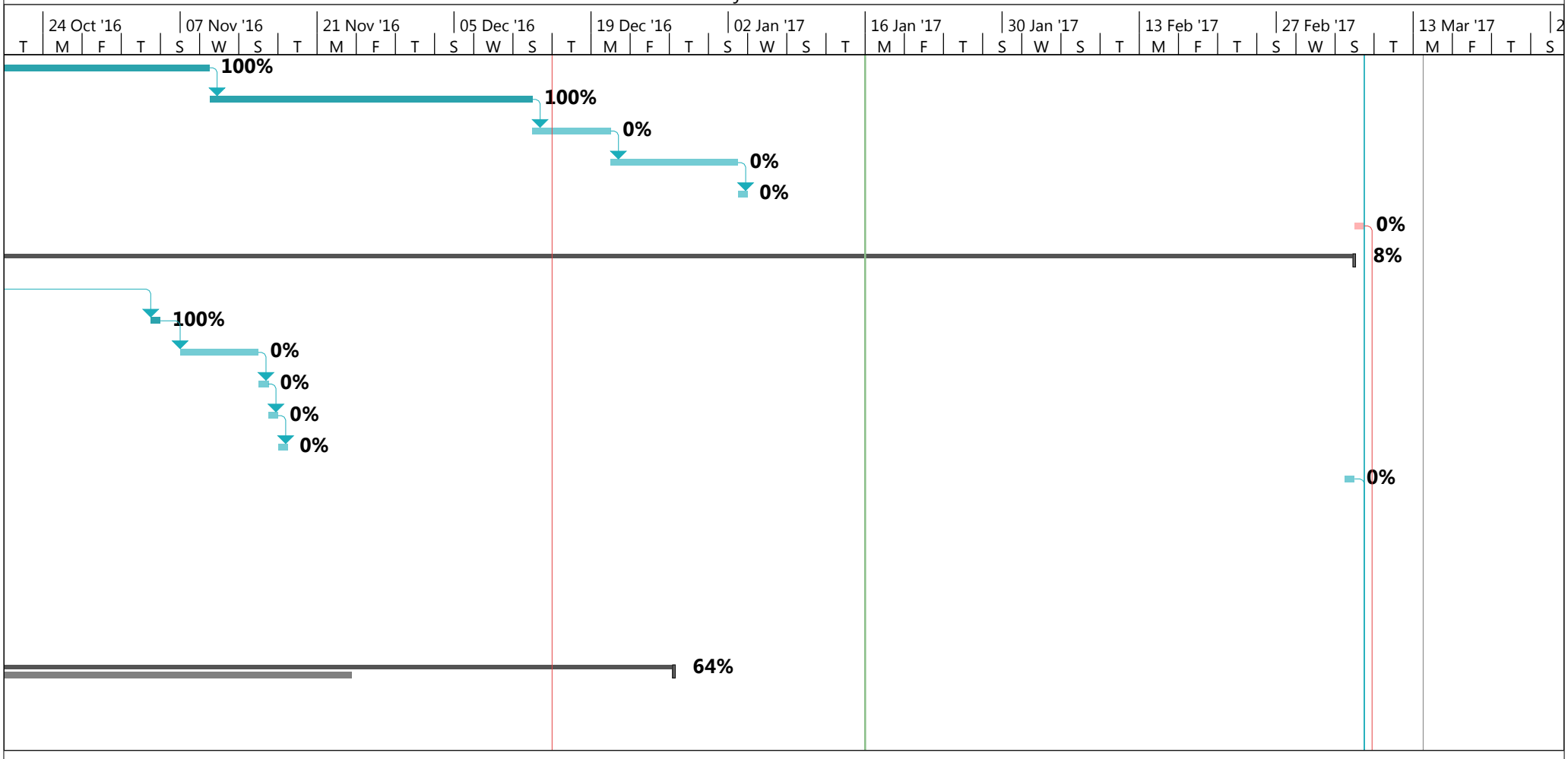

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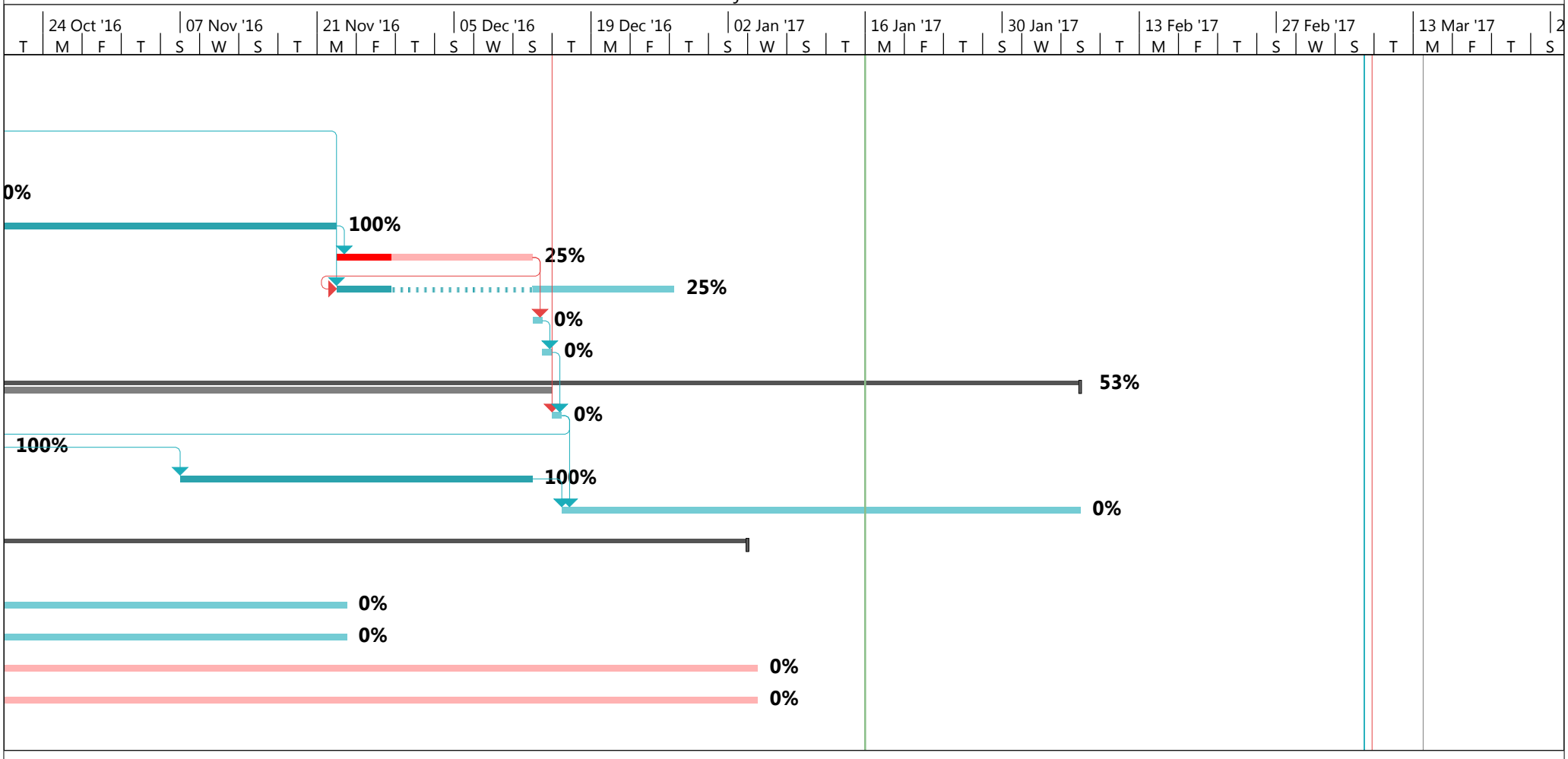

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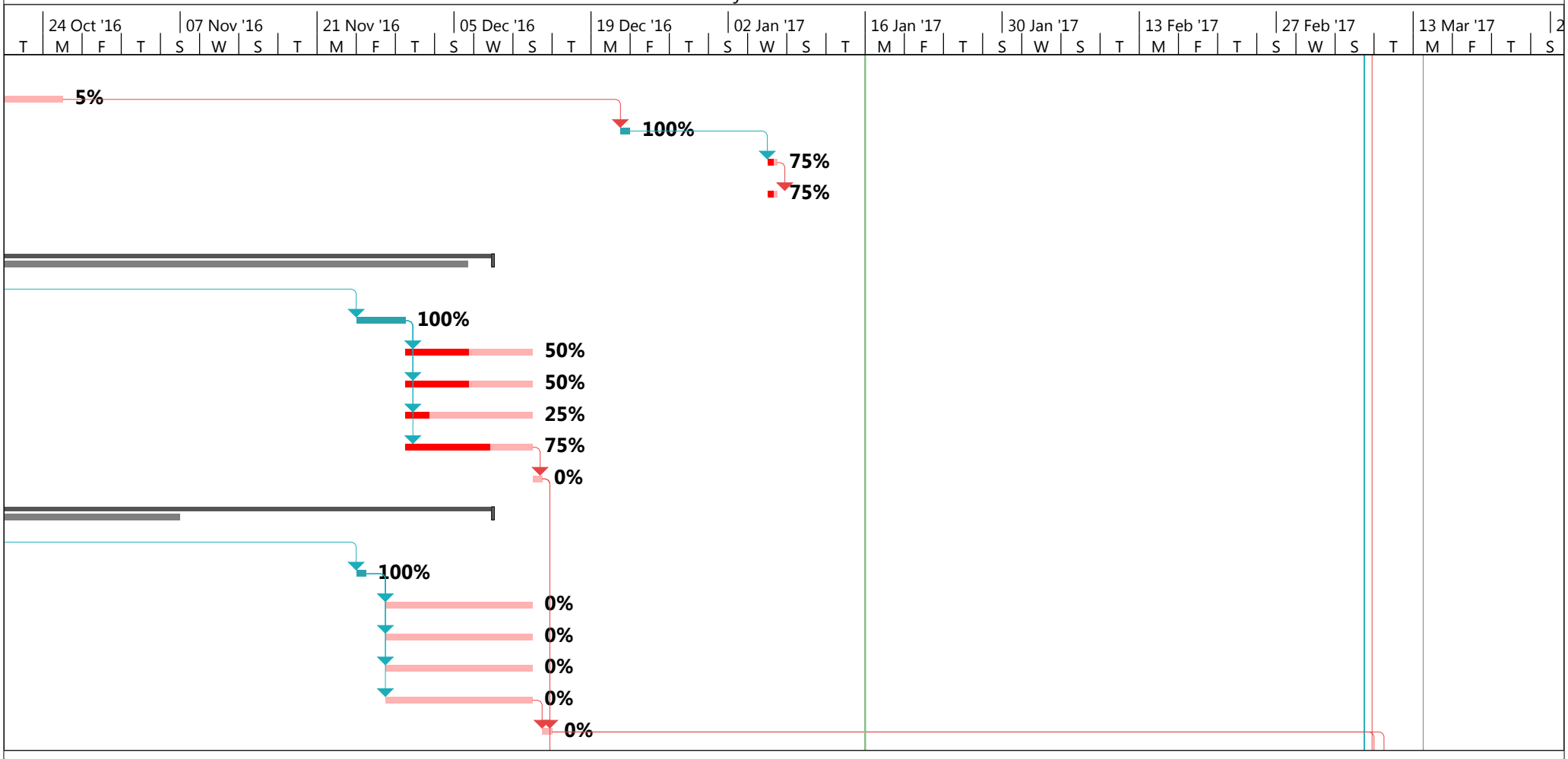

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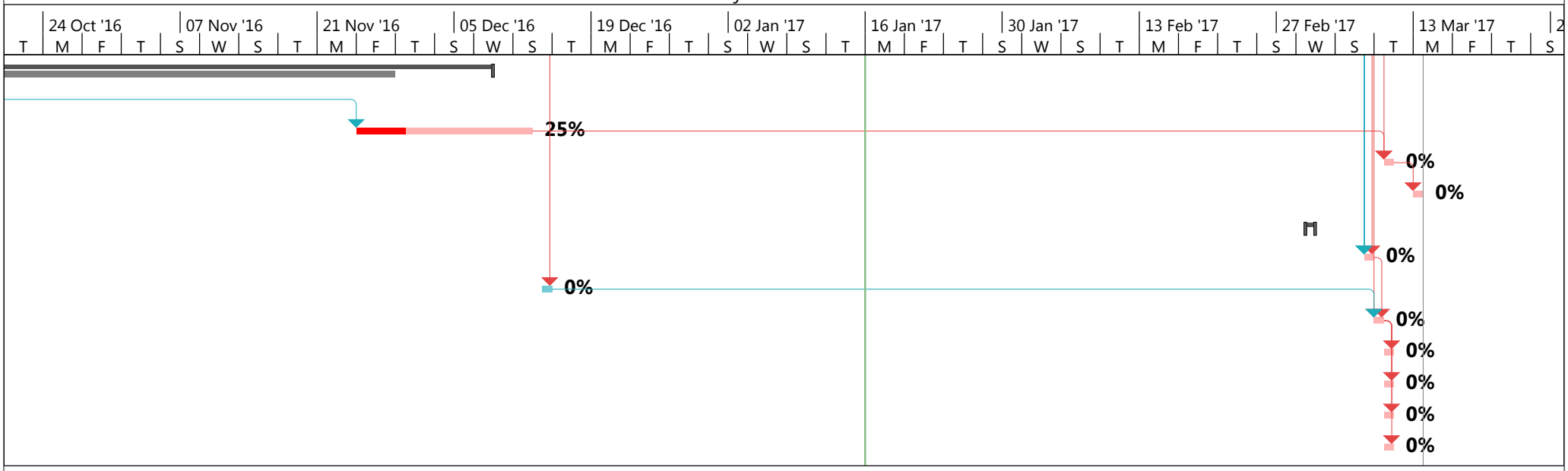

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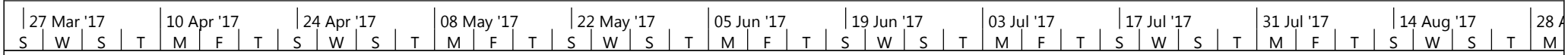
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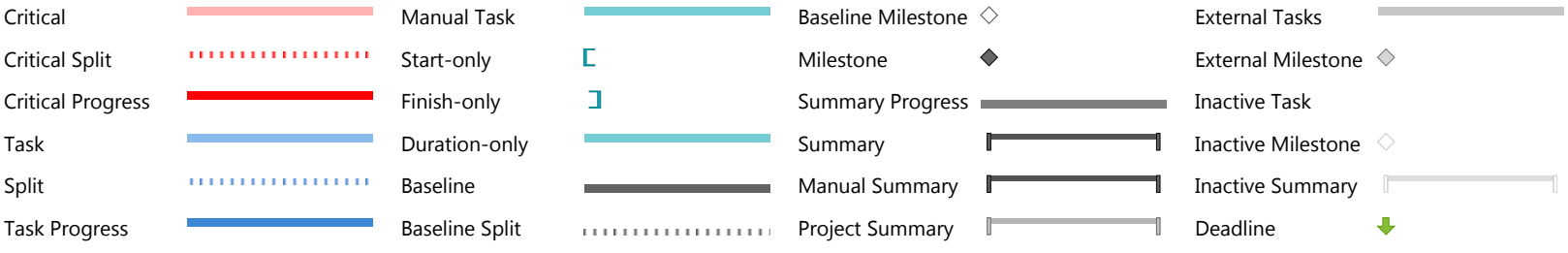
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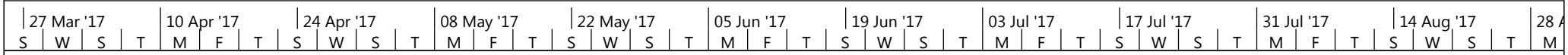
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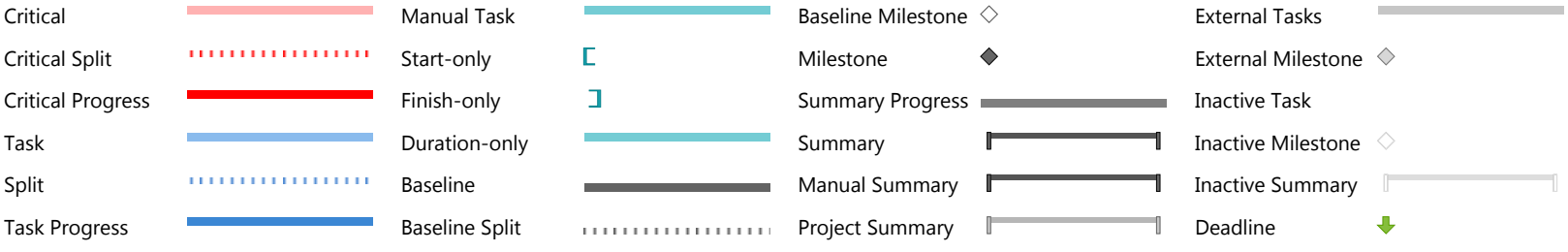
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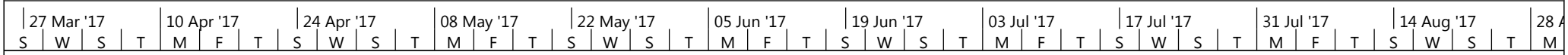
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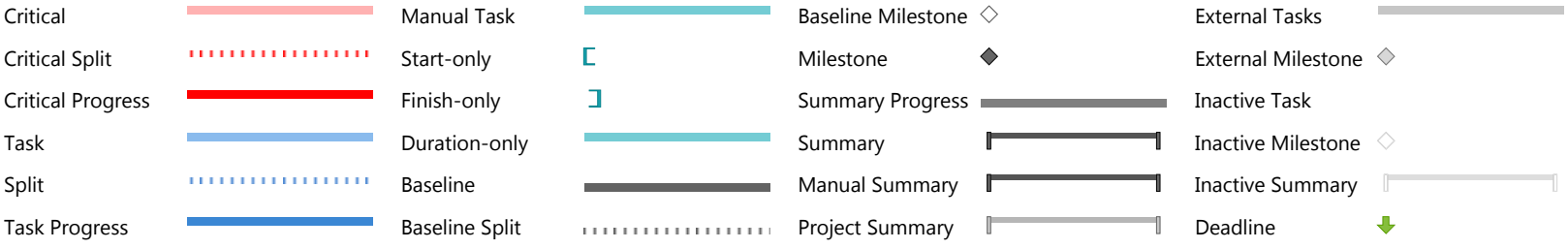
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Manual Task
Start-only
Finish-only
Duration-only
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Milestone
Summary Progress
Summary
Manual Summary
Project Summary
External Tasks
External Milestone
Inactive Task
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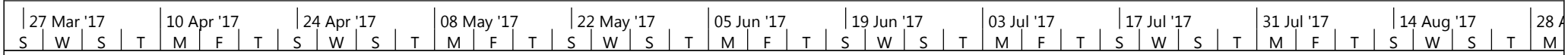
Deadline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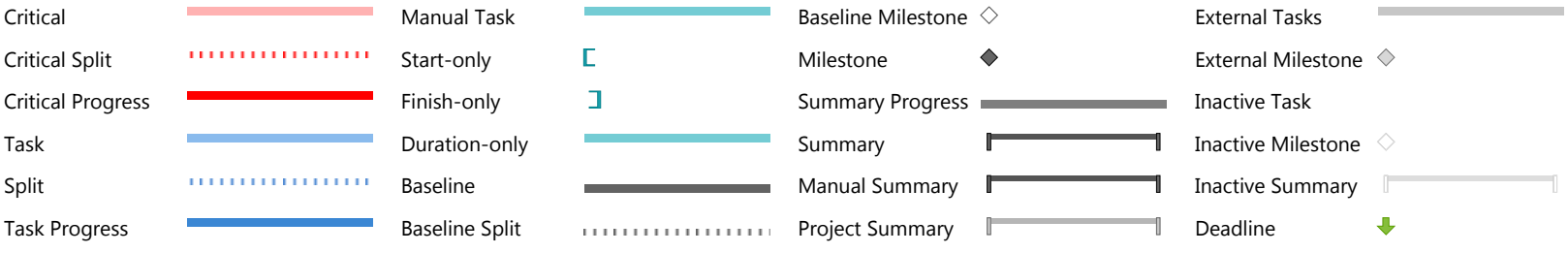
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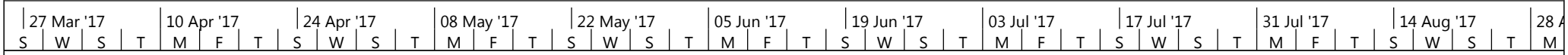
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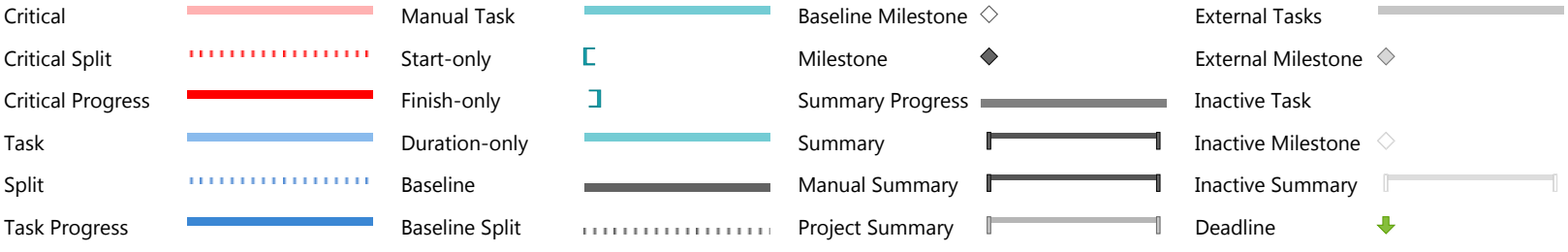
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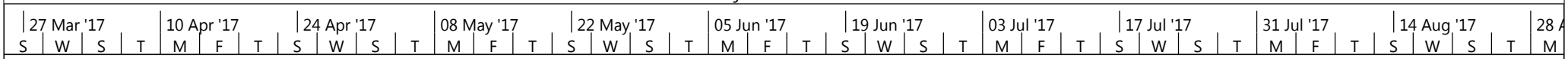
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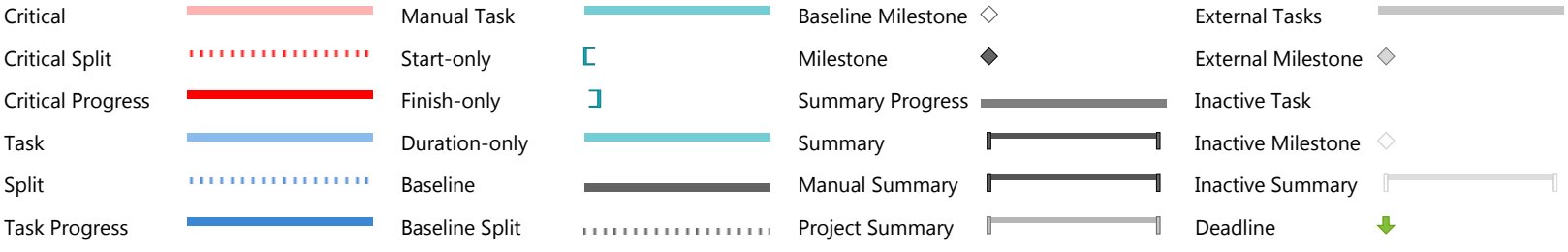
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