

Agile Software Development

A Brief History – Planning for Delivery

Do you know who these people are?

Scott Ambler

Kent Beck

Mike Beedle

Arie van Bennekum

Alistair Cockburn

Ward Cunningham

James Grenning

Jim Highsmith

Andrew Hunt

Ron Jeffries

Jon Kern

Brian Marick

Robert C. Martin

Steve Mellor

Ken Schwaber

Jeff Sutherland

Dave Thomas

Martin Fowler

Scott Ambler and Robert (Bob) Cecil Martin

- Scott Extreme Modelling (XM) *autumn 2000*
- Scott & Bob Agile Modeling (AM) *spring 2001*

The other seventeen

- Attributed with development of Agile 'Software Development' Manifesto *spring 2001*

Core Values of the Manifesto

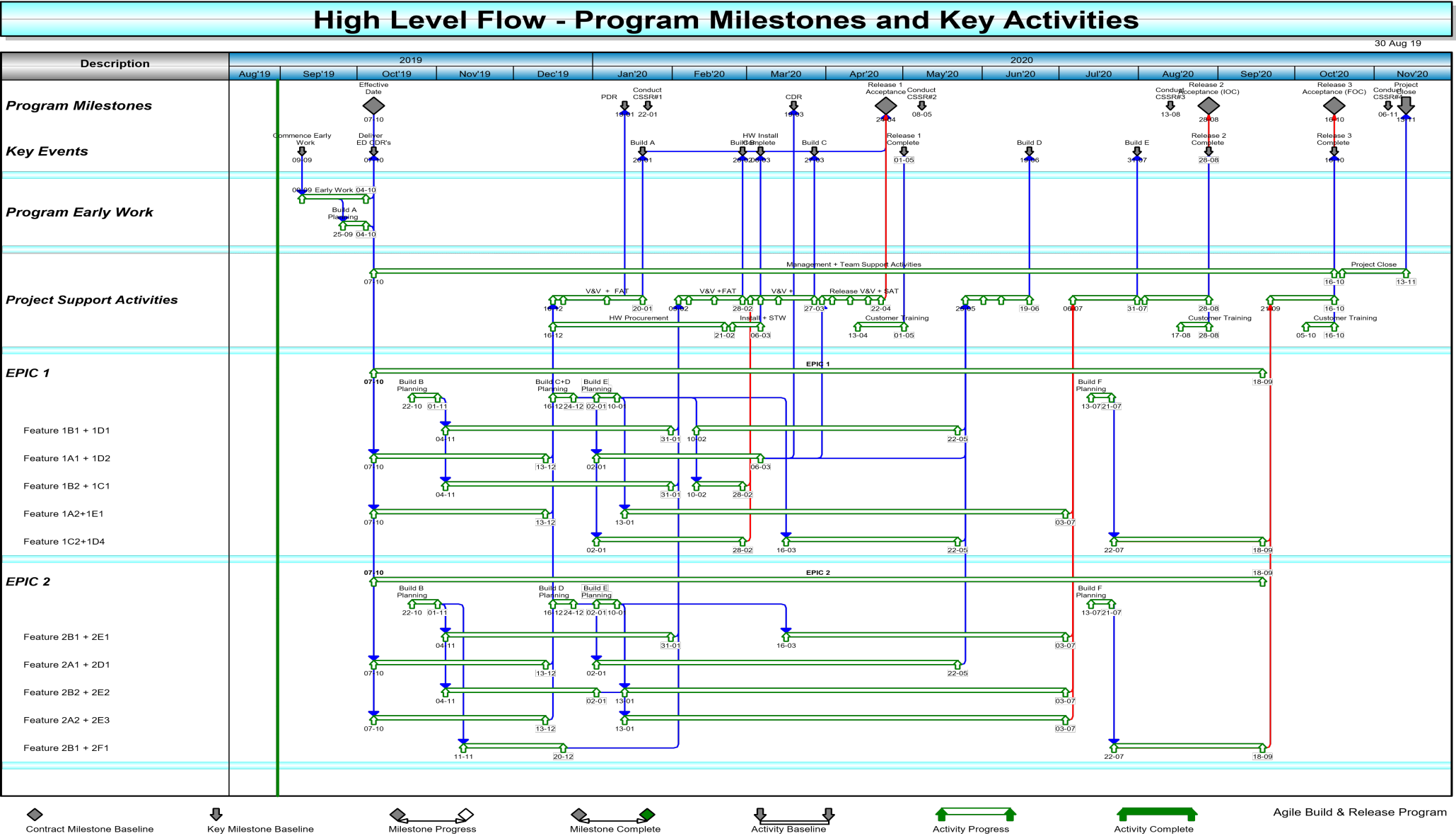
- Individuals and Interactions
 - Working Software
- Customer Collaboration
- Responding to change

<https://agilemanifesto.org/>

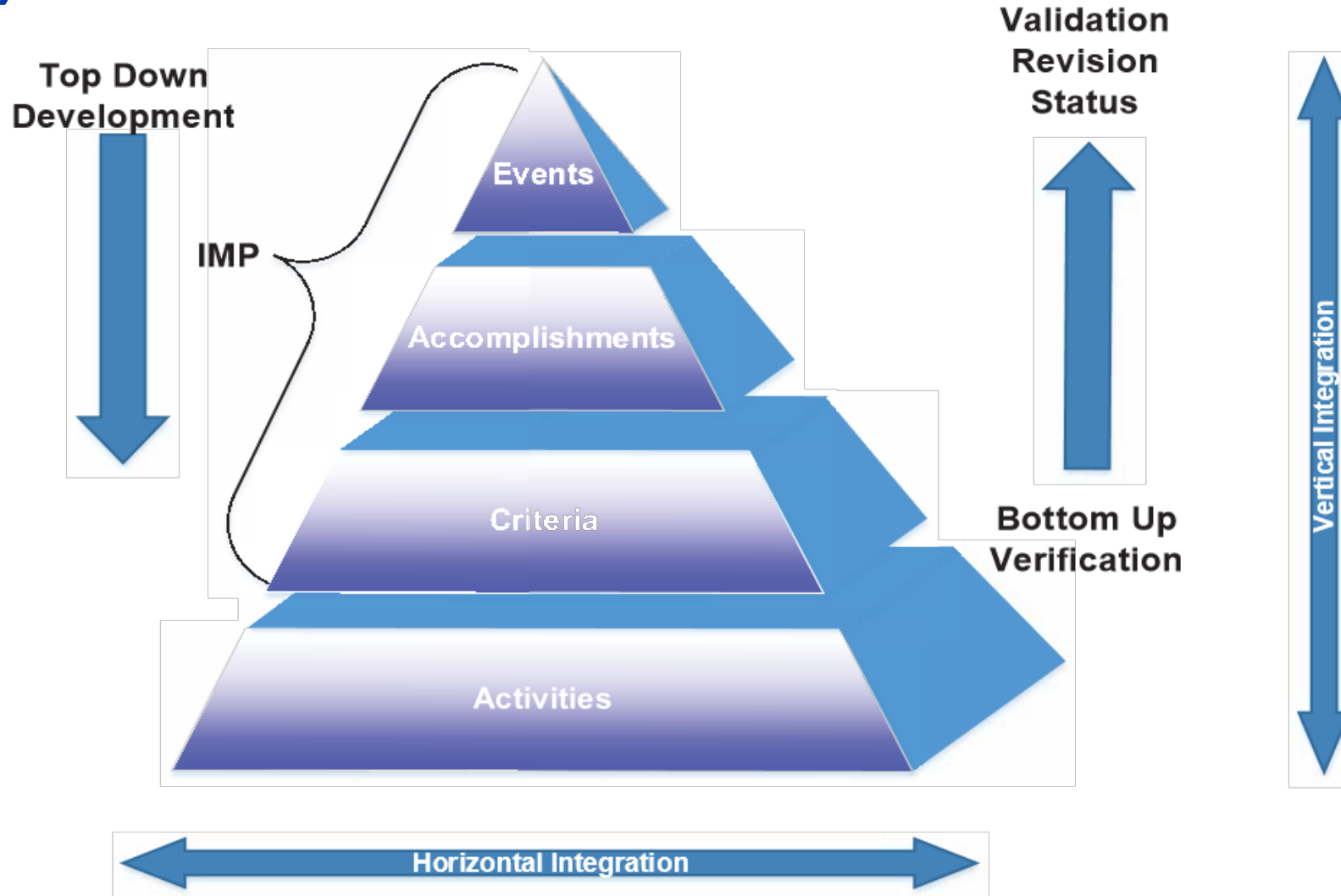
Principles behind the Agile Manifesto

1. Satisfy the Customer
2. Welcome changing requirements
3. Deliver working software
4. Business people and developers must work together
5. Motivated individuals, good environment, trust
6. Face-to-face conversation
7. Working software measure for progress
8. Maintain constant pace indefinitely
9. Attention to technical excellence
10. Simplicity is essential
11. The best emerges from self-organised teams
12. Reflect

Agile Program Planning – High Level Flow



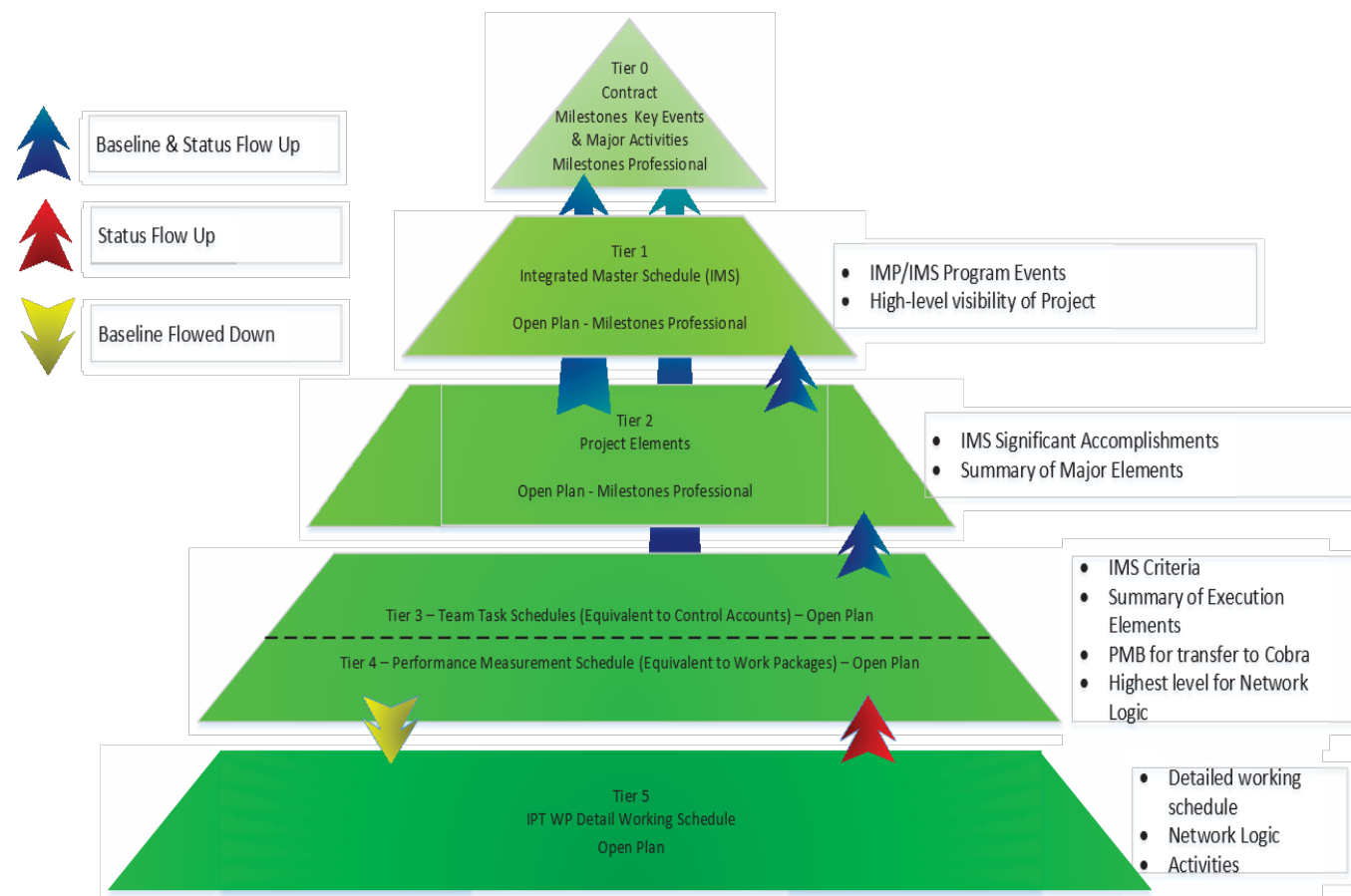
Agile Program Planning – Integrated Master Plan (Concept)



Agile Program Planning –IMP Table

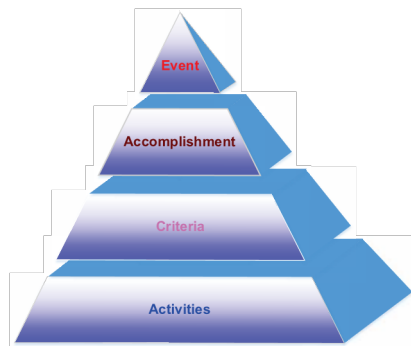
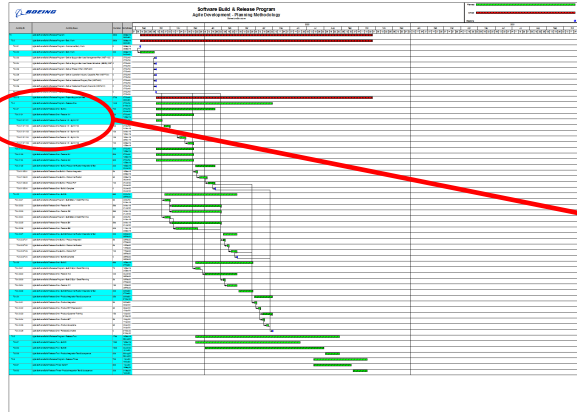
E/A/C	IMP Code	EAC Description / Name	Action Verb	SOW Alignment	SOR Alignment	WBS Alignment	OBS Alignment	RAA (Owner)	CDRL Reference	CDRL Maturity (Prelim, Draft, Final, etc)
E	70	Software Build & Release Program Early Work and Program Support	Complete							
A	70.2.01	Agile Software Build & Release Program - Early Work	Complete							
C	70.2.01.01	Commence Early Work	Commence							
C	70.2.01.02	Early Work	Complete							
C	70.2.01.03	Support Services Management Plan (MGT-100)	Deliver							
C	70.2.01.04	Support Services Master Schedule (SSMS) (MGT-110)	Deliver							
C	70.2.01.05	Phase In Plan (MGT-600)	Deliver							
C	70.2.01.06	Australian Industry Capability Plan (MGT-700)	Deliver							
C	70.2.01.07	Intellectual Property Plan (MGT-800)	Deliver							
C	70.2.01.08	Intellectual Property Records (MGT-810)	Deliver							
C	70.2.01.09	Agile Software Build & Release Program - Effective Date	Complete							
A	70.2.02	Project Support Activities								
C	70.2.02.01	Project Management	Complete							
C	70.2.02.02	Planning & Scheduling	Complete							
C	70.2.02.03	Commercial Management	Complete							
C	70.2.02.04	Supply Support	Complete							
C	70.2.02.05	EH&S Management	Complete							
C	70.2.02.06	Agile Software Build & Release Program - Phase Out	Complete							
E	70.4	Software Build & Release Program - Release One	Complete							
A	70.4.01	Software Build Release One - Build A	Complete							
C	70.4.01.01	Software Build Release One - Feature 1A1	Complete							
C	70.4.01.02	Software Build Release One - Feature 1A2	Complete							
C	70.4.01.03	Software Build Release One - Feature 2A1	Complete							
C	70.4.01.04	Software Build Release One - Feature 2A2	Complete							
C	70.4.01.05	Software Build Release One - Build A Product Verification Integration & Test	Complete							
A	70.4.02	Software Build Release One - Build B								
C	70.4.02.01	Software Build & Release Program - Build B Epic 1 Detail Planning	Complete							
C	70.4.02.02	Software Build Release One - Feature 1B1	Complete							
C	70.4.02.03	Software Build Release One - Feature 1B2	Complete							
C	70.4.02.04	Software Build & Release Program - Build B Epic 2 Detail Planning	Complete							
C	70.4.02.05	Software Build Release One - Feature 2B1	Complete							
C	70.4.02.06	Software Build Release One - Feature 2B2	Complete							
C	70.4.02.07	Software Build Release One - Build B Product Verification Integration & Test	Complete							
A	70.4.03	Software Build & Release Program - Build C								
C	70.4.03.01	Software Build & Release Program - Build C Epic 2 Detail Planning	Complete							
C	70.4.03.02	Software Build Release One - Feature 1C2	Complete							
C	70.4.03.03	Software Build & Release Program - Build C Epic 1 Detail Planning	Complete							
C	70.4.03.04	Software Build Release One - Feature 1C1	Complete							
C	70.4.03.05	Software Build Release One - Build B Product Verification Integration & Test	Complete							
A	70.4.04	Release One - Product Integration Test & Acceptance								
C	70.4.04.01	Software Build Release One - Product Integration	Complete							
C	70.4.04.02	Software Build Release One - Product FAT (Regression)	Complete							
C	70.4.04.03	Software Build Release One - Product Customer Training	Complete							
C	70.4.04.04	Software Build Release One - Product SAT	Complete							
C	70.4.04.05	Software Build Release One - Product Acceptance	Complete							
C	70.4.04.06	Software Build Release One - Release Complete	Complete							
E	70.5	Software Build & Release Program - Release Two	Complete							
A	70.5.01	Software Build Release Two - Build D	Complete							
C	70.5.01.01	Software Build Release Two - Build D Epic 1 Detail Planning	Complete							
C	70.5.01.02	Software Build Release Two - Feature 1D1	Complete							
C	70.5.01.03	Software Build Release Two - Feature 1D2	Complete							
C	70.5.01.04	Software Build Release Two - Feature 1D3	Complete							
C	70.5.01.05	Software Build Release Two - Build D Epic 2 Detail Planning	Complete							
C	70.5.01.06	Software Build Release Two - Feature 2D1	Complete							
C	70.5.01.07	Software Build Release Two - Build D Product Verification Integration & Test	Complete							
A	70.5.02	Software Build Release Two - Build E								
C	70.5.02.01	Software Build Release Two - Build E Epic 1 Detail Planning	Complete							
C	70.5.02.02	Software Build Release Two - Feature 1E1	Complete							
C	70.5.02.03	Software Build Release Two - Build E Epic 2 Detail Planning	Complete							
C	70.5.02.04	Software Build Release Two - Feature 2E1	Complete							
C	70.5.02.05	Software Build Release Two - Feature 2E2	Complete							
C	70.5.02.06	Software Build Release Two - Feature 2E3	Complete							
C	70.5.02.07	Software Build Release Two - Build E Product Verification Integration & Test	Complete							
A	70.5.03	Release Two - Product Integration Test & Acceptance								
C	70.5.03.01	Software Build Release Two - Product Integration	Complete							
C	70.5.03.02	Software Build Release Two - Product FAT (Regression)	Complete							
C	70.5.03.03	Software Build Release Two - Product SAT	Complete							
C	70.5.03.04	Software Build Release Two - Product Acceptance	Complete							
C	70.5.03.05	Software Build Release Two - Conduct Customer Training	Complete							
C	70.5.03.06	Software Build Release Two - Release Complete	Complete							
E	70.6	Software Build & Release Program - Release Three	Complete							
A	70.6.01	Software Build Release Three - Build F								
C	70.6.01.01	Software Build Release Three - Build F Epic 1 Detail Planning	Complete							
C	70.6.01.02	Software Build Release Three - Feature 1F1	Complete							
C	70.6.01.03	Software Build Release Three - Build F Epic 2 Detail Planning	Complete							
C	70.6.01.04	Software Build Release Three - Feature 2F1	Complete							
A	70.6.02	Release Three - Product Integration Test & Acceptance								
C	70.6.02.01	Software Build Release Three - Product Integration	Complete							
C	70.6.02.02	Software Build Release Three - Product FAT (Regression)	Complete							
C	70.6.02.03	Software Build Release Three - Conduct Customer Training	Complete							
C	70.6.02.04	Software Build Release Three - Product SAT	Complete							
C	70.6.02.05	Software Build Release Three - Product Acceptance	Complete							
C	70.6.02.06	Software Build Release Three - Complete	Complete							

Agile Program Planning - Schedule Tree



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Agile Program Planning – Integrated Master Schedule



Activity ID	Activity Desc.	Duration	Early Dates	Sep					Oct				Nov				Dec					
				01	08	15	22	29	06	13	20	27	03	10	17	24	01	08	15	22	29	
70	Agile Software Build & Release Program	290d	09Sep19 26Oct20	<div></div>																		
70.4	Agile Software Build & Release Program - Release One	144d	07Oct19 01May20	<u>Event</u>					<div></div>													
70.4.01	Agile Software Build Release One - Build A	70d	07Oct19 20Jan20	<u>Accomplishment</u>					<div></div>													
70.4.01.01	Agile Software Build Release One - Feature 1A1	50d	07Oct19 13Dec19	<u>Criteria</u>					<div></div>													
70.4.01.01.101	Agile Software Build Release One Feature 1A1 - Sprint 101	10d	07Oct19 18Oct19						<div></div>													
70.4.01.01.101.01	Agile Software Build & Release Program Release One Feature 1A1 Sprint 101 - Story 001	10d	07Oct19 18Oct19						<div></div>													
70.4.01.01.101.02	Agile Software Build & Release Program Release One Feature 1A1 Sprint 101 - Story 002	10d	07Oct19 18Oct19						<div></div>													
70.4.01.01.101.03	Agile Software Build & Release Program Release One Feature 1A1 Sprint 101 - Story 003	10d	07Oct19 18Oct19						<u>Activities</u>													
70.4.01.01.101.04	Agile Software Build & Release Program Release One Feature 1A1 Sprint 101 - Story 004	10d	07Oct19 18Oct19						<div></div>													
70.4.01.01.101.05	Agile Software Build & Release Program Release One Feature 1A1 Sprint 101 - Story 005	10d	07Oct19 18Oct19						<div></div>													
70.4.01.01.102	Agile Software Build Release One Feature 1A1 - Sprint 102	10d	21Oct19 01Nov19						<div></div>				<div></div>									
70.4.01.01.102.01X	Agile Software Build & Release Program Release One Feature 1A1 Sprint 102 - Story 006	10d	21Oct19 01Nov19						<div></div>				<div></div>									
70.4.01.01.102.02X	Agile Software Build & Release Program Release One Feature 1A1 Sprint 102 - Story 007	10d	21Oct19 01Nov19						<div></div>				<div></div>									
70.4.01.01.102.03X	Agile Software Build & Release Program Release One Feature 1A1 Sprint 102 - Story 008	10d	21Oct19 01Nov19						<div></div>				<div></div>									
70.4.01.01.102.04X	Agile Software Build & Release Program Release One Feature 1A1 Sprint 102 - Story 009	10d	21Oct19 01Nov19						<div></div>				<div></div>									
70.4.01.01.102.05X	Agile Software Build & Release Program Release One Feature 1A1 Sprint 102 - Story 010	10d	21Oct19 01Nov19						<div></div>				<div></div>									
70.4.01.01.103	Agile Software Build Release One Feature 1A1 - Sprint 103	10d	04Nov19 15Nov19										<div></div>									
70.4.01.01.104	Agile Software Build Release One Feature 1A1 - Sprint 104	10d	18Nov19 29Nov19														<div></div>					
70.4.01.01.105	Agile Software Build Release One Feature 1A1 - Sprint 105	10d	02Dec19 13Dec19														<div></div>					

Thank you for listening!



