

## PROGRAM INTEGRATION AND CONTROL

**Addendum 5 - Statement of Work to Program Work Breakdown Structure Map**

	Program Integration and Control		ISS WBS (SSP 50659, Rev C)
SOW	Title	PWBS	Title
1.0	Management Integration and Control	1.0	Management Integration and Control
1.1	Program Management	1.1	Program Management
1.1.1	Program Management and Administration	1.1.1	Program Management and Administration
1.1.1.1	Planning and Reviews		
1.1.2	Internal/External Program Review Support	1.5.7	Advisory and Oversight
1.2	Business Management	1.2	Business Management
1.2.1	Reserved	1.2.1	Management and Administration
1.2.2	Reserved	1.2.2	Procurement
1.2.3	Resource Management	1.2.3	Resources Management
1.2.3.1	Financial Management		
1.2.3.2	Reserved		
1.2.3.3	Special Reporting		
1.2.3.4	PI&C Contract Work Breakdown Structure (WBS)		
1.2.4	ISS Program Budget Requirements and Assessments	1.2.4	Assessments
1.2.4.1	ISS Program Budget Database Maintenance and Tracking Contract		
1.2.4.2	ISS Program Reserves/Changes Management Database		
1.2.4.3	Assessments	1.2.4	Assessments
1.2.5	Program Scheduling	1.2.5	Program Scheduling
1.2.5.1	Schedule Management		
1.2.5.2	Scheduling System Support		
1.2.5.3	Team Schedule Support		
1.2.5.4	ISS Program Planning Calendar/Certification of Flight Readiness (CoFR) Review Meeting Matrix		
1.2.5.5	Schedule Risk Assessment		
1.2.5.6	Special Schedule Trade Studies		
1.2.5.7	Propose Alternate Report Formats		
1.3	Configuration Management (CM) / Data Management and Integration (DMI)	1.3	Configuration Management / Data Integration
1.3.1	Configuration Management	1.3.1	Configuration Management
1.3.1.1	Management and Administration		
1.3.1.2	Configuration Status Accounting and Verification		
1.3.1.3	Configuration Control		

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1.3.1.4	Software Configuration Management Requirements		
1.3.2	Program Data Management and Integration	1.3.2	Program Data Integration/Vehicle Data Integration (VDI)
1.3.2.2	Program Technical Data Access		
1.4	Program Information Technology (IT)	1.4	Program Information Technology (IT)
1.4.1	IT Management and Administration	1.4.1	Information Technology Management
1.4.2	IT Systems Management and Operations	1.4.2	Systems Management and Operations
1.4.2.1	IT Life Cycle Management		
1.4.2.2	IT Security Support		
1.4.2.3	Work Authorization and User Support		
1.5	International Integration	1.5	International and External Integration
1.5.1	Reserved	1.5.1	Management and Administration
1.5.2	Reserved	1.5.2	International Programmatic Integration
1.5.3	IP Elements Integration Management	1.5.3	International Elements Integration
1.5.3.1	Systems Engineering and Integration of IP Elements		
1.5.3.2	IP Milestone Reviews		
1.5.3.3	ISS and Mission Integration		
1.6	Human Space Flight Collaboration	1.6	Human Space Flight Collaboration
2.0	ISS Systems Engineering, Analysis, and Integration	2.0	ISS Systems Engineering, Analysis, and Integration
2.1	Reserved	2.1	Management and Administration
2.2	Systems Analysis and Integration	2.2	Systems Analysis and Integration
2.2.1	Program Requirements and Interfaces	2.2.1	Requirements and Interfaces
2.2.1.1	ISS Specifications and ICDs Maintenance		
2.2.1.2	Coordination and Review of ISS Specifications, ICDs and IRDs		
2.2.1.3	Interface Control Working Group (ICWG)		
2.2.2	System Performance Analysis and Integration	2.2.2	System Performance Analysis and Integration
2.2.2.1	Mission Analysis and Integration		
2.2.2.2	Mission Requirements and Support		
2.2.2.3	System Analysis and Integration		
2.2.3	Strategic Planning, Assembly and Configuration Engineering`	2.2.3	Assembly and Configuration Definition/Analysis
2.2.3.1	Strategic Planning and Integration		
2.2.3.2	External Configuration Analysis Modeling and Mass Properties		
2.2.3.3	Internal Volume Configuration (IVC)		

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<b>SOW</b>	<b>Title</b>	<b>PWBS</b>	<b>Title</b>
3.0	Spacecraft	3.0	Spacecraft
3.1	ISS Spacecraft Management	3.1	ISS Spacecraft Management
3.1.1	Vehicle Technical Integration	3.1.1	Vehicle Management and Administration
3.1.1.1	Meeting Support		
3.2	Visiting Vehicle		
4.0	Reserved	4.0	Operations
5.0	Reserved	5.0	ISS Research Program
6.0	Safety and Mission Assurance (S&MA)	6.0	Safety and Mission Assurance (S&MA)
6.1	S&MA Management and Administration	6.1	Management and Administration
6.1.1	Mission Assurance and Risk Management (MA&RM) Plan		
6.1.2	Quality Management System		
6.1.3	Audit/Surveillance		
6.1.4	Safety and Health		
6.1.4.1	Mishap Investigating and Reporting		
6.1.5	Lessons Learned		
6.2	S&MA Integration	6.2	S&MA Integration
6.2.1	Technical Integration		
6.2.2	International Partner/Visiting Vehicle Integration		
6.2.3	Document Maintenance		
6.3	Program Risk Management	6.3	Risk Management
6.3.1	Management of Risk Process		
6.3.2	Probabilistic Risk Assessment (PRA)		
6.3.3	Document Maintenance		
6.4	ISS Safety Program	6.4	Safety
6.5	Reserved	6.5	Reliability and Maintainability (R&M)
6.6	Quality Assurance	6.6	Quality Assurance
6.6.1	Problem Reporting System Maintenance		
6.6.2	Reserved		
6.6.3	Document Maintenance		
6.7	Operations Safety	6.7	S&MA Operations
6.7.1	Documentation Verification		
6.7.2	Mission Integration and Operations Planning		
6.7.3	Reserved		
6.7.4	Launch Package Management Team Representative		
6.7.5	ISS Program Change Requests		

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6.7.6	Document Maintenance		