

<PAYLOAD> DELIVERABLES AND PROCESSING REQUIREMENTS

The following Table provides the initial definition of, and schedule for, data deliverables and milestones for the <Payload> payload on STS-107. This Table will be updated by Boeing as required and will be included as part of the <Payload> ICD.

Data Deliverables	Due Date	Comments
Design Compatibility Data	As Needed	Defined in Appendix B, Design Compatibility and Verification Plan.
Verification Requirement Data	As defined by Appendix B	Defined in Appendix B, Design Compatibility and Verification Plan.
Phase I Safety Packages a. Flight Safety	Nov/5/99	Format defined in NSTS 13830C. Date given is payload input to BOEING
Phase II Safety Packages a. Flight Safety	Oct/25/99 to Jan/17/00	Format defined in NSTS 13830C. Date given is payload input to BOEING.
Phase III Safety Packages a. Flight Safety b. Ground Safety	Jan/25/99 to May/22/00	Format defined in NSTS 13830C. Date given is payload input to BOEING. Date given is applicable to both flight and ground safety packages
Supporting Safety Documentation	As Required	Other payload information that is required to support safety reviews, etc.

CIP ANNEX Inputs: Annex 1 (Payload Flight Data))	Nov/30/99	
Annex 2 Part 1 (Electrical Power and Cooling)	Dec/10/99 to Jan/7/00	
Annex 2 Part 2 (Timelines)	Dec/10/99 to Mar/30/00	
Annex 4 (Orbiter Command Data)	Dec/10/99 to Feb/4/00	
Annex 5 (Payloads Operation control Center)	Sept/28/99 to Dec/17/99	
ICA (Crew Compartment Interface Control Annex)	Jan/3/00 to Jan/22/00	
Annex 7 (Training)	Nov/1/99 to Jan/14/00	
Annex 8 (Launch Site Support Plan)	Jan/3/00 to Jun/1/00	
Annex 9 (Operations & Maintenance Requirements and Specification Document)	Nov/30/99 to Jun/1/00	
Payload Functional Objectives (FOs)	Dec/31/99 to Jan/31/00	
Core ICD Baseline	Oct/20/99 to Feb/29/00	
ICD Appendix A Baseline	Oct/20/99 to Apr/00	
ICD Appendix C Baseline	Nov/22/99 to Jun/00	

Flight Operations Procedures: Rack/Complex Experiments	TBD or May/1/00	Inputs due from PED NLT 60 working days prior to initial Hands-On Training Dry Run session or 17 weeks prior to Flight Operations Review (FOR), whichever comes first
Flight Operations Procedures: Medium/Simple Experiments	TBD or Jun/1/00	Inputs due from PED NLT 45 working days prior to initial Hands-On Training Dry Run session or 13 weeks prior to Flight Operations Review (FOR), whichever comes first
Crew Training & Material Submittals:		
Experiment Training Requirements Questionnaire	Nov/8/99 to Jan/7/00	Training requirements due NLT 10 working days following complement approved as defined in the applicable PRD
Familiarization Briefing Dry Run	Nov/9/99 to May/17/00	Dry run must occur NLT 3 weeks prior to Familiarization Briefing
Final Familiarization Briefing Materials	TBD	Materials due NLT 8 working days prior to Familiarization Briefing
Familiarization Briefing	Nov/30/99 to Jun/7/00	
Hands-On Training Equipment Request	TBD	Request due 6 weeks prior to Hands-On Training session
Hands-On Training Dry Run (Rack/Complex Experiments Number of sessions TBD)	Jan/10/00 to Aug/17/00	Dry run must occur NLT 3 weeks prior to Hands-On Training session. (See Note)
Hands-On Training Dry Run (Non-Rack/Simple to medium Experiments Number of sessions TBD)	Jan/10/00 to Aug/17/00	Dry run must occur NLT 2 weeks prior to Hands-On Training session. (See Note)
Hands On Training (Number of sessions TBD)	Jan/31/00 to Sept/7/00	(See Note)
Timeline Training Dry Run (Number of sessions TBD)	May/10/00 to Sept/8/00	Dry run must occur NLT 1 weeks prior to Timeline Training session. (See Note)
Timeline Training (Number of sessions TBD)	May/31/00 to Sept/29/00	(See Note)
Bench Review	TBD	
Refresher Training Dry Run (If required)	TBD	(See Note)
Refresher Training	TBD	

		Note: The Flight/Mockup hardware is due at the designated training site in time for the appropriate preparation, set-up and verification. The dates will be negotiated on a case-by-case basis between the PED, Spacehab Mission Operations, Spacehab Payload Support Engineering and the SPPF or JSC. Since training schedules are subject to change, Flight/Mockup hardware due dates may be renegotiated at any time.
Experiment Ground Requirements List Inputs For Pre-Module Rollout Payloads		Inputs required 4 months before installation time. Types of payloads include complex rack mounted payloads
Experiment Ground Requirements List Inputs For Post-Module Rollout Payloads requiring Module MVAK		Inputs required 4 months before installation time. Additional time required due to 45 days input to SSP/KSC constraint for payloads requiring activities on KSC.
Experiment Ground Requirements List Inputs For Middeck Payloads		Inputs required 3 months before installation time. Inputs used for both SPACEHAB and KSC Procedures
Payload Ground Operations Procedures Input For Pre-Module Rollout Payloads		Inputs required from payload developer 2 months prior to processing activity date.
Payload Ground Operations Procedures Input For Middeck Payloads		Procedure development will occur three months before Installation. Additional time required due to 45 days input to SSP/KSC constraint for payloads requiring activities on KSC.