

TABLE 3.2 MEDICAL REQUIREMENTS OVERVIEW

MEDB# and Title:	MEDB 7.7 Behavioral Observation of Training
Sponsor:	Space Medicine
Discipline:	Behavioral Health and Performance
Category:	Medical Requirements (MR)
References:	Medical Evaluation Documents (MED) Volume B Section 7.7; ISS MORD
Purpose/Objectives:	Behavioral observation of training events provides important data about individual behavior & crew interactions. These data may help in (1) providing consultation & recommendations to CMs preflight in order to optimize behavior & team performance & (2) providing baseline data for support & consultation of CMs in-flight.
Measurement Parameters:	N/A
Deliverables:	N/A
Flight Duration:	Greater than or equal to 30 days
Number of Flights:	Each long duration expedition
Number and Type of Crew Members Required:	All ISS crewmembers
Other Flight Characteristics:	N/A

3.3 Preflight Training

TABLE 3.3: PREFLIGHT TRAINING

Preflight Training Activity Description:	N/A			
	Duration:	Schedule:	Flexibility:	Personnel Required:
Schedule:				
Ground Support Requirements Hardware/Software	Preflight Hardware:	Preflight Software:	Test Location:	
Training Facilities	Minimum Room Dimensions:	Number of Electrical Outlets:	Temperature Requirements:	Special Lighting:
	Hot or Cold Running Water:	Privacy Requirements:	Other:	
Constraints/Special Requirements:				
Launch Delay Requirements:				
Notes:				

3.4 Preflight Activities

TABLE 3.4: PREFLIGHT ACTIVITIES

Preflight Activity	Description:	Observation by a BHP specialist of the scheduled training events include, but are not limited to, field training, simulations & any other training events that provide the opportunities to collect data. Observations may also include self-report data & peer feedback.			
	Schedule:	Duration:	Schedule:	Flexibility:	Personnel Required:
		Variable to training event	At least two training events may be observed between time of crew assignment & launch.	At the discretion of each agency	BHP Specialist(s)
Ground Support Requirements Hardware/Software	Preflight Hardware:	Preflight Software:		Test Location:	
	N/A	N/A		N/A	
Testing Facilities	Minimum Room Dimensions:	Number of Electrical Outlets:	Temperature Requirements:	Special Lighting:	
	N/A	N/A	N/A	N/A	
	Hot or Cold Running Water:	Privacy Requirements:	Vibration/Acoustic Isolation:	Other:	
	N/A	N/A	N/A	N/A	
Constraints/Special Requirements:	N/A				
Launch Delay Requirements:	N/A				
Notes:	Training events will be identified in coordination with the responsible agencies training and crew office representatives. Observations must be coordinated and approved by responsible agency trainers and crewmembers to ensure that there is no impact to training.				
Data Delivery	Data/Report to Designated Recipients (Nominal/Contingency):				
	All data related to crew observation will be treated as medically confidential.				

3.5 In-Flight Activities

TABLE 3.5.1: IN-FLIGHT ACTIVITIES (N/A)

In-Flight Activity	Description:	N/A				
	Schedule:	Activity:	Duration:	Schedule:	Flexibility:	Blood Volume:
Procedures:						
Constraints / Special Requirements:						
Photo / TV Requirements:						
Cold Stowage Requirements:						
Mission Extension Requirements:						
Landing Wave-Off Requirements:						
Data Delivery	Data/Report to Designated Recipients (Nominal/Contingency):					

In-Flight Activities, (cont.)

TABLE 3.5.2: IN-FLIGHT HARDWARE

Hardware/Software Name	P/N
N/A	N/A

3.6 Postflight Activities

TABLE 3.6: POSTFLIGHT ACTIVITIES (N/A)

Postflight Activity	Description: N/A			
	Duration:	Schedule:	Flexibility:	Personnel Required:
	Schedule:			
Ground Support Requirements Hardware/Software	Postflight Hardware:		Postflight Software:	Test Location:
Testing Facilities	Minimum Room Dimensions:	Number of Electrical Outlets:	Temperature Requirements:	Special Lighting:
	Hot or Cold Running Water:	Privacy Requirements:	Vibration/Acoustic Isolation:	Other:
Constraints/Special Requirements:				
Early Destow / Early Return:				
Notes:				
Data Delivery	Data/Report to Designated Recipients (Nominal/Contingency):			

3.7 Summary Schedule

TABLE 3.7: SUMMARY SCHEDULE

ACTIVITY	DURATION	SCHEDULE	FLEXIBILITY	BLOOD VOLUME	PERSONNEL REQUIRED	CONSTRAINTS
Preflight Training						
N/A						
Preflight						
Observation of Training	Variable to training event	At least two training events may be observed between time of crew assignment & launch		N/A	BHP Specialist(s)	N/A
In-Flight						
N/A						
Wheels-Stop						
N/A						
Postflight						
N/A						
Postflight Debrief						
N/A						