

3.2 Medical Requirements Overview**TABLE 3.2: MEDICAL REQUIREMENTS OVERVIEW**

MRID# and Title:	MR032S Private Family Conferences (PFCs) for Shuttle
Sponsor:	Medical Operations
IPT:	N/A
Category:	Medical Requirements (MR)
References:	Medical Operations Requirements Document For Space Shuttle (STS MORD) JSC13956, Rev. G Section 3.1: In-flight Crew Surgeon/Deputy Crew Surgeon Responsibilities for Crewmember Medical Care Section 3.2.3.2: Psychological Support Program
Purpose/Objectives:	These conferences will allow private communication between crewmembers and their families, friends, and colleagues. These conferences will be private in that no one will monitor the communication loops. No one will remain in the room without crewmember and family approval.
Measurement Parameters:	N/A
Deliverables:	N/A
Flight Duration:	>10 days or < 30 days
Number of Flights:	Shuttle flights >10 days or < 30 days
Number and Type of Crew Members Required:	All U.S. crewmembers
Other Flight Characteristics:	N/A

3.3 Preflight Training (There is no preflight training for PFCs. (Crewmembers receive training on the use of OCA and audio communications devices from MOD as part of routine systems training.)

3.4 Preflight Activities – No Preflight Activities

3.5 In-flight Activities

TABLE 3.5.1: IN-FLIGHT ACTIVITIES

In-Flight Activity	Description:	Private Family Conferences shall be scheduled for each crewmember on shuttle missions of 10 days or longer. One additional conference for each crewmember shall be scheduled for every 5 days beyond the original 10-day duration. Two-way voice and two-way video communication shall be scheduled for each crewmember. The duration of each shall be not less than 15 minutes for each crewmember.				
	Schedule:	Activity:	Duration:	Schedule:	Flexibility:	Personnel Required:
		Private Family Conferences (PFCs)	15 min.	One per crewmember during missions of 10 days or longer. One additional conference for each crewmember for every 5 days beyond original 10-day duration.	N/A	Crewmember and family, friends, or colleagues
Procedures:	N/A					
Constraints / Special Requirements:	In the event that family members are not present in Houston, and/or the desired person for a contact lives outside of the immediate Houston area, the PFCs shall be conducted in the location of the family’s or crew member’s choosing. The PFCs utilize either the OCA or Secure Air-to-Ground (A/G) Loop but not both.					
Photo / TV Requirements:	Two-way private voice and two-way video communication is preferred, although some Shuttle PFCs are conducted using only two-way private voice.					
Mission Extension Requirements:	N/A					
Landing Wave-Off Requirements:	N/A					
Data Delivery	Data/Report to Designated Recipients (Nominal/Contingency):					
	N/A					

In-Flight Activities, (cont.)

TABLE 3.5.2: IN-FLIGHT HARDWARE

Hardware/Software Name	P/N	Vehicle (Up/Dn)	Category	Late Access / Early Destow/ Early Return	Docked Ops	Weights (kg)	Volume (cm ³)	Dimensions LxWxH (cm)	Power (watts)	Resupply	Download / Downlink
Orbiter Communications Adapter (OCA)	N/A	Shuttle	Standard	N/A	N/A	N/A	N/A	N/A	N/A	N/A	As required
Secure Air-to-Ground Loop	N/A	Shuttle	Standard	N/A	N/A	N/A	N/A	N/A	N/A	N/A	As required
Note:	The PFC utilizes either the OCA or the Secure air-to-Ground (A/G) Loop but not both.										

3.5.3 Ground Support for In-flight Activities

TABLE 3.5.3.1: Facility Requirements

Facilities	Minimum Room Dimensions:	Number of Electrical Outlets:	Temperature Requirements:	Special Lighting:
	N/A	2	Normal	Normal
Hot or Cold Running Water:	Privacy Requirements:	Vibration/Acoustic Isolation:	Other:	
N/A	Private room away from public and ground personnel	N/A	N/A	
Constraints/Special Requirements:	These conferences will be private in that no one will monitor the communication loops. No one will remain in the room without crewmember and family approval. In the event that family members are not present in Houston, and/or the desired person for a contact lives outside of the immediate Houston area, the PFCs shall be conducted in the location of the family’s or crew member’s choosing.			

3.6 Postflight Activities – No Postflight Activities

3.7 Summary Schedule

TABLE 3.7: SUMMARY SCHEDULE

ACTIVITY	DURATION	SCHEDULE	FLEXIBILITY	PERSONNEL REQUIRED	CONSTRAINTS
Preflight Training: N/A					
Preflight Activities: N/A					
In-flight:					
Private Family Conferences (PFCs)	15 min.	One per crewmember during missions of 10 days or longer. One additional conference for each crewmember for every 5 days beyond original 10-day duration.	N/A	Crewmember and family, friends, or colleagues	No one will remain in the room without crewmember and/or family approval. In the event that family members are not present in Houston, and/or the desired person for a contact lives outside of the immediate Houston area, the PFCs shall be conducted in the location of the family's or crew member's choosing. The PFCs utilize either the OCA or Secure Air-to-Ground (A/G) Loop but not both.
Wheels-Stop: N/A					
Postflight: N/A					
Postflight Debrief: N/A					