

**3.2 Medical Requirements Overview**

**TABLE 3.2: MEDICAL REQUIREMENTS OVERVIEW**

<b>MEDB# and Title:</b>	MEDB 1.14 Photodocumentation of Skin
<b>Sponsor:</b>	Medical Operations
<b>IPT:</b>	Immunology/Infectious Disease
<b>Category:</b>	Medical Requirements
<b>References:</b>	SSP 50667 Medical Evaluations Document (MED) Volume B
<b>Purpose/Objectives:</b>	To provide visual images to support diagnosis and documentation of cutaneous injuries and allergic responses. Photographs of affected areas will be taken at appropriate intervals to document the site of injury. Flight surgeons may use the images to evaluate the extent and nature of the injury and to monitor follow-up treatment. The photographic image will provide critical information on rates of healing for cuts and rashes, analysis of event incidence, and support assessment of crewmember health risks.
<b>Measurement Parameters:</b>	Visual images of affected areas.
<b>Deliverables:</b>	Images that may be used to evaluate an injury or reaction and to monitor follow-up treatment. Analysis of rates of healing for cuts and rashes. Analysis of event incidence
<b>Flight Duration:</b>	≥ 30 days
<b>Number of Flights:</b>	All
<b>Number and Type of Crew Members Required:</b>	All Crewmembers
<b>Other Flight Characteristics:</b>	N/A

**3.3 Preflight Training**

**TABLE 3.3: PREFLIGHT TRAINING**

<b>Preflight Training Activity</b>	<b>Description:</b>	Training on the use of the 35mm still camera and, if available, the digital 35mm camera will be performed by MOD as part of routine systems training. A familiarization session will be conducted by the flight surgeons during the Medical Operations Preflight Briefing.			
	<b>Schedule:</b>	<b>Duration:</b>	<b>Schedule:</b>	<b>Flexibility:</b>	<b>Personnel Required:</b>
		N/A	N/A	N/A	N/A
<b>Ground Support Requirements Hardware/Software</b>	<b>Preflight Hardware:</b>	<b>Preflight Software:</b>		<b>Test Location:</b>	
	N/A	N/A		N/A	
<b>Training Facilities</b>	<b>Minimum Room Dimensions:</b>	<b>Number of Electrical Outlets:</b>	<b>Temperature Requirements:</b>	<b>Special Lighting:</b>	
	N/A	N/A	N/A	N/A	
	<b>Hot or Cold Running Water:</b>	<b>Privacy Requirements:</b>	<b>Other:</b>		
	N/A	N/A	N/A		
<b>Constraints/Special Requirements:</b>	N/A				
<b>Launch Delay Requirements:</b>	N/A				
<b>Notes:</b>	N/A				

**3.4 Preflight Activities: There are no preflight activities**

**3.5 In-Flight Activities**

**TABLE 3.5.1: IN-FLIGHT ACTIVITIES**

<b>In-Flight Activity</b>	<b>Description:</b>	This task is event based. Crewmember should report any minor/major infections/allergies/hypersensitivities/injuries during private medical conference (PMCs). The report should include an accurate time when the injury occurred or when the first onset of illness happened. Using the on-board 35mm camera or digital camera, the area(s) of concern should be photographed to provide documentation of the illness/injury. One to two overhead shots should be taken. A small ruler should be positioned within the field of view to provide scale. Photographs should be taken at 24 hour intervals until resolution of the event or as determined by ground medical personnel. If possible, images and a report of circumstances may be downlinked to ground medical personnel for intervention and action.				
	<b>Schedule:</b>	<b>Activity:</b>	<b>Duration:</b>	<b>Schedule:</b>	<b>Flexibility:</b>	<b>Personnel Required:</b>
		Photodocumentation of skin injury, allergic reactions	As required	As clinically indicated	N/A	Operator and Subject
<b>Procedures:</b>	Procedures can be found within the Medical Operations procedures book. These procedures are part of the SODF.					
<b>Constraints / Special Requirements:</b>	This task is event based or at the discretion of the Flight Surgeon.					
<b>Photo / TV Requirements:</b>	35mm photographs of affected areas. Down link of digital 35mm images as determined by flight surgeon.					
<b>Data Delivery</b>	<b>Data/Report to Designated Recipients (Nominal/Contingency):</b>					
	This task is event based. If required, one to two overhead shots should be taken. Photographs should be taken at 24 hour intervals until resolution of the event or as determined by ground medical personnel. If possible, images and a report of circumstances may be downlinked to ground medical personnel for intervention and action.					

**In-Flight Activities, (cont.)**

**TABLE 3.5.2: IN-FLIGHT HARDWARE**

Hardware/Software Name	P/N
35 mm camera	N/A
35 mm digital camera	N/A
Ruler	N/A

3.6 Postflight Activities

TABLE 3.6: POSTFLIGHT ACTIVITIES

<b>Postflight Activity</b>	<b>Description:</b>	The Flight Surgeon should notify the Immunologist within one week of landing if photographs were taken during the flight. The Immunologist or his appointee will be responsible for tracking, identifying, ordering, and pickup of all photographs. A final report will be submitted to the Flight Surgeon within 30 days of landing. Postflight assessment using a digital camera and ruler.			
	<b>Schedule:</b>	<b>Duration:</b>	<b>Schedule:</b>	<b>Flexibility:</b>	<b>Personnel Required:</b>
		N/A	R+0/1, and as clinically indicated	N/A	N/A
<b>Ground Support Requirements Hardware/Software</b>	<b>Postflight Hardware:</b>	<b>Postflight Software:</b>		<b>Test Location:</b>	
	Digital camera	N/A		N/A	
<b>Testing Facilities</b>	<b>Minimum Room Dimensions:</b>	<b>Number of Electrical Outlets:</b>	<b>Temperature Requirements:</b>	<b>Special Lighting:</b>	
	N/A	N/A	N/A	N/A	
	<b>Hot or Cold Running Water:</b>	<b>Privacy Requirements:</b>	<b>Vibration/Acoustic Isolation:</b>	<b>Other:</b>	
	N/A	N/A	N/A	N/A	
<b>Constraints/Special Requirements:</b>	N/A				
<b>Notes:</b>	N/A				
<b>Data Delivery</b>	<b>Data/Report to Designated Recipients (Nominal/Contingency):</b>				
	If photographs were taken in-flight, final report will be submitted to the Flight Surgeon within 30 days of landing.				

**3.7 Summary Schedule**

**TABLE 3.7: SUMMARY SCHEDULE**

ACTIVITY	DURATION	SCHEDULE	FLEXIBILITY	PERSONNEL REQUIRED	CONSTRAINTS
<b>Preflight Training: N/A</b>					
<b>Preflight: N/A</b>					
<b>In-Flight</b>					
Photodocumentation of skin injury , allergic reactions	As required	As clinically indicated	N/A	Operator and Subject	This task is event based or at the discretion of the Flight Surgeon.
<b>Postflight</b>					
Photodocumentation of skin (Contingency)	As required	R+0/1, & as clinically indicated	N/A	Operator and Subject	The Flight Surgeon should notify the Immunologist within one week of landing if photographs were taken during the flight. The Immunologist or his appointee will be responsible for tracking, identifying, ordering, and pickup of all photographs. A final report will be submitted to the Flight Surgeon within 30 days of landing.
<b>Postflight Debrief: Contingency</b>					