

MEDB 1.9.1 Dental Orthopantomogram or Full Mouth X-Ray Series

3.2 Medical Requirements Overview

TABLE 3.2: MEDICAL REQUIREMENTS OVERVIEW

MEDB# and Title:	MEDB 1.9.1 Dental Orthopantomogram
Sponsor:	Medical Operations
Discipline:	N/A
Category:	Medical Requirements
References:	SSP 50667 Medical Evaluations Document (MED) Volume B
Purpose/Objectives:	A full dental orthopantomogram x-ray or full mouth x-ray series is performed within two years of launch to fully assess the underlying dental health of the Crewmember in order to correct any potential dental problems well in advance of mission launch.
Measurement Parameters:	
Deliverables:	A preflight dental examination report will be included in the Electronic Medical Record (EMR)
Flight Duration:	≥ 30 days
Number of Flights:	All
Number and Type of Crew Members Required:	All ISS crewmembers
Other Flight Characteristics:	N/A

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3.3 Preflight Training – N/A

3.4 Preflight Activities

TABLE 3.4: PREFLIGHT ACTIVITIES

Preflight Activity	Description:	An orthopantomogram (or Panorex) is a panoramic scanning x-ray of the maxilla and mandible. (Full mouth x-ray series can be used as an alternative for dental screening.)			
	Schedule:	Duration: 60 minutes + max 50 min travel time	Schedule: L-21/18 months, and as clinically indicated	Flexibility: +/- 1 week	Personnel Required: Crewmember and NASA approved D.D.S.
Ground Support Requirements Hardware/Software	Preflight Hardware:	Preflight Software:		Test Location:	
	Dental hardware provided by the specialist	N/A		U.S./NASA Approved Clinic	
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:	This exam will take place at a NASA approved dental clinic.				
Launch Delay Requirements:	At Surgeon's request.				
Notes:					
Data Delivery	A preflight dental report will be sent to the Crew Surgeon within 3 weeks and included in the EMR.				

3.5 In-Flight Activities – N/A

3.6 Postflight Activities – N/A