

FLIGHT EQUIPMENT PROJECT OFFICE CONFIGURATION CONTROL BOARD

CHANGE REQUEST/DIRECTIVE

PAGE 1 OF 1

NUMBER G1504R2	CHANGE TITLE: Contingency Female Urine Assembly		
FLIGHT EFFECTIVITY 51-A	WEIGHT IMPACT	COST IMPACT Not in Budget TBD	SCHEDULE IMPACT None
IMPACTS:			

INDICATE HARDWARE TITLE, PART NO. AND EQUIP. LIST NO.

- | | | |
|---|--|--|
| <input type="checkbox"/> ORBITER | <input type="checkbox"/> FLIGHT HARDWARE | <input checked="" type="checkbox"/> STOWED |
| <input type="checkbox"/> PAYLOAD | <input type="checkbox"/> TRAINERS | <input type="checkbox"/> WORN |
| <input checked="" type="checkbox"/> GFE | <input type="checkbox"/> OTHER HARDWARE | <input type="checkbox"/> INSTALLED |
| <input type="checkbox"/> CFE | | <input type="checkbox"/> MISSION KIT |

DOCUMENTS AFFECTED:

- | | |
|---|--|
| <input checked="" type="checkbox"/> CREW COMPARTMENT CONFIGURATION DRAWING (CCCD) | <input checked="" type="checkbox"/> NONCRITICAL HARDWARE PROGRAM REQUIREMENTS DOCUMENT (PRD) JSC 17038 |
| <input checked="" type="checkbox"/> CREW EQUIPMENT LIST (CEL) | |
| <input type="checkbox"/> STANDARD FLIGHT CREW EQUIPMENT LIST (SFCEL) | <input type="checkbox"/> OTHER PRDs |
| <input type="checkbox"/> FLIGHT DATA FILE (FDF) | <input type="checkbox"/> OPERATIONS AND MAINTENANCE INSTRUCTIONS (OMI) |
| <input type="checkbox"/> INTERFACE CONTROL DOCUMENT (ICD) | <input type="checkbox"/> OTHER DOCUMENTS |

DESCRIPTION OF CHANGE:

Provide a contingency urine collection device for use by the female crewmembers. Delete 8 each adult diapers from G1504R1 and replace with 12 contingency female urine assemblies (P/N SED12100316-301).

JUSTIFICATION/RATIONALE/IMPACT IF NOT INCORPORATED:

If WCS fails mission could be curtailed **OR IF WASTE TANK CAN'T BE DUMPED CONTINGENCY URINE COLLECTION MAY BE REQ'D.**

ACTION REQUIREMENTS:

SP4/J. Barnett - Provide hardware.
SP3/R. Malone - Update CCCD.
MF/D. Bergeron - Update JSC 17038.

INITIATED BY: Laura Louviere		SUBMISSION CONCURRENCE <i>[Signature]</i>	DATE OF SUBMISSION 10-22-84
CONFIGURATION CONTROL BOARD DISPOSITION	<input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved with Changes Indicated <input type="checkbox"/> Disapproved	MANAGER, FLIGHT EQUIPMENT PROJECT OFFICE <i>[Signature]</i>	DATE 10-23-84
<input type="checkbox"/> CHANGE CATEGORY <input type="checkbox"/> P/OC <input type="checkbox"/> P/MR <input type="checkbox"/> U/FR <input checked="" type="checkbox"/> U/FA <input type="checkbox"/> DOCUMENTATION <input type="checkbox"/> LEVEL II			

FLIGHT EQUIPMENT PROJECT OFFICE
CONFIGURATION CONTROL BOARD CHANGE REQUEST/DIRECTIVE

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NUMBER 840155 G1506R1		CHANGE TITLE: Provisioning of Additional Contingency Waste Water Container (CWC)	
FLIGHT EFFECTIVITY 51-A and Subs	WEIGHT IMPACT	COST IMPACT 1500	SCHEDULE IMPACT
IMPACTS:		INDICATE HARDWARE TITLE, PART NO. AND EQUIP. LIST NO. Contingency Waste Water Container P/N 10132-10032-01	
<input type="checkbox"/> ORBITER	<input checked="" type="checkbox"/> FLIGHT HARDWARE	<input type="checkbox"/> STOWED	
<input type="checkbox"/> PAYLOAD	<input type="checkbox"/> TRAINERS	<input type="checkbox"/> WORN	
<input checked="" type="checkbox"/> GFE	<input type="checkbox"/> OTHER HARDWARE	<input type="checkbox"/> INSTALLED	
<input type="checkbox"/> CFE		<input type="checkbox"/> MISSION KIT	

DOCUMENTS AFFECTED:

- | | |
|---|---|
| <input checked="" type="checkbox"/> CREW COMPARTMENT CONFIGURATION DRAWING (CCCD) | <input type="checkbox"/> NONCRITICAL HARDWARE PROGRAM REQUIREMENTS DOCUMENT (PRD) JSC 17038 |
| <input checked="" type="checkbox"/> CREW EQUIPMENT LIST (CEL) | <input type="checkbox"/> OTHER PRDs |
| <input type="checkbox"/> STANDARD FLIGHT CREW EQUIPMENT LIST (SFCEL) | <input type="checkbox"/> OPERATIONS AND MAINTENANCE INSTRUCTIONS (OMI) |
| <input type="checkbox"/> FLIGHT DATA FILE (FDF) | <input type="checkbox"/> OTHER DOCUMENTS |
| <input type="checkbox"/> INTERFACE CONTROL DOCUMENT (ICD) | |

DESCRIPTION OF CHANGE:

This is a revision to CCBD #1506, which provided one CWC for flight 41-G. This change will add an additional CWC to flight 51-A and subs. If needed, i.e., waste tanks are full and can't be dumped, crew would unstow one CWC, install in volume H and fill with the contingency hose. If second CWC is needed, crew would unstow, fill with contingency hose and install in volume G. Contents of H and G will have to be stowed elsewhere for entry and landing.

JUSTIFICATION/RATIONALE/IMPACT IF NOT INCORPORATED:

If the crew cannot dump waste water, as occurred with OV-103 on 41-D, one CWC will not hold all of the excess waste water. If this change is implemented, potable water tanks will have to be used for waste water storage or mission will have to be shortened.

ACTION REQUIREMENTS:

EC5/R. Marak - Provide hardware.

EN4/R. Malone - Stow hardware. Update CCCD as required.

MF2/D. Nussman - Update the Flight Crew Equipment List as required.

INITIATED BY: <i>Gene Winkler</i> 10/22/84 Gene Winkler		SUBMISSION CONCURRENCE <i>[Signature]</i> 10/22/84 [Signature]		DATE OF SUBMISSION
CONFIGURATION CONTROL BOARD DISPOSITION	<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Approved with Changes Indicated <input type="checkbox"/> Disapproved	MANAGER, FLIGHT EQUIPMENT PROJECT OFFICE <i>[Signature]</i> [Signature]		DATE 10/23/84
<input type="checkbox"/> CHANGE CATEGORY	<input type="checkbox"/> P/OC	<input type="checkbox"/> P/MR	<input type="checkbox"/> U/FR	<input checked="" type="checkbox"/> U/FA
		<input type="checkbox"/> DOCUMENTATION	<input type="checkbox"/> LEVEL II	

FLIGHT EQUIPMENT PROJECT OFFICE
CONFIGURATION CONTROL BOARD CHANGE REQUEST/DIRECTIVE

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NUMBER G1517R1 84D156	CHANGE TITLE: WCS Stowage Items, Additional Prefilter Pads		
FLIGHT EFFECTIVITY 51-A and Subs	WEIGHT IMPACT Approx. 0.2 pounds	COST IMPACT NONE	SCHEDULE IMPACT

IMPACTS:

- | | | |
|---|---|--|
| <input type="checkbox"/> ORBITER | <input checked="" type="checkbox"/> FLIGHT HARDWARE | <input checked="" type="checkbox"/> STOWED |
| <input type="checkbox"/> PAYLOAD | <input checked="" type="checkbox"/> TRAINERS | <input type="checkbox"/> WORN |
| <input checked="" type="checkbox"/> GFE | <input type="checkbox"/> OTHER HARDWARE | <input type="checkbox"/> INSTALLED |
| <input type="checkbox"/> CFE | | <input type="checkbox"/> MISSION KIT |

INDICATE HARDWARE TITLE, PART NO. AND EQUIP. LIST NO.
WCS Restraint Assembly, P/N 10159-10010-06
Prefilter Pads, P/N 63B315456

DOCUMENTS AFFECTED:

- | | |
|---|--|
| <input checked="" type="checkbox"/> CREW COMPARTMENT CONFIGURATION DRAWING (CCCD) | <input checked="" type="checkbox"/> NONCRITICAL HARDWARE PROGRAM REQUIREMENTS DOCUMENT (PRD) JSC 17038 |
| <input checked="" type="checkbox"/> CREW EQUIPMENT LIST (CEL) | <input type="checkbox"/> OTHER PRDs |
| <input type="checkbox"/> STANDARD FLIGHT CREW EQUIPMENT LIST (SFCEL) | <input type="checkbox"/> OPERATIONS AND MAINTENANCE INSTRUCTIONS (OMI) |
| <input type="checkbox"/> FLIGHT DATA FILE (FDF) | <input type="checkbox"/> OTHER DOCUMENTS |
| <input type="checkbox"/> INTERFACE CONTROL DOCUMENT (ICD) | |

DESCRIPTION OF CHANGE:

Increase the number of prefilter pads, P/N 63B315456 from 24 to 36. The prefilter pads are stowed in the WCS Restraint Assembly, P/N 10159-10010.

JUSTIFICATION/RATIONALE/IMPACT IF NOT INCORPORATED:

The crew of 41-G reported that more prefilter pads are needed to prevent air flow degradation. The prefilter pads are small, light weight and are reusable.

ACTION REQUIREMENTS:

EC6/R. Marak - Add the stowage of these items in the WCS restraint assembly. For 51-A, stow in plastic bag in one of the pockets of the WCS Stowage Bag. For 51-C and subs, modify the WCS stowage bag by adding elastic tethers to hold the additional prefilters and include this change in -07 configuration of the WCS Restraint Assembly.

EN4/R. Malone - Update CCCD as required.

MF2/D. Nussman - Update the Flight Crew Equipment List as required.

NOTE: For clarification, enclosed is a complete listing of items in the WCS Restraint Assembly after the above changes.

INITIATED BY: <i>Gene Winkler</i> 10/22/84 Gene Winkler.	SUBMISSION CONCURRENCE <i>[Signature]</i> 10/22/84	DATE OF SUBMISSION
CONFIGURATION CONTROL BOARD DISPOSITION <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Approved with Changes Indicated <input type="checkbox"/> Disapproved	MANAGER, FLIGHT EQUIPMENT PROJECT OFFICE <i>[Signature]</i>	DATE 10/25/84

- ☐ CHANGE CATEGORY
 ☒ P/OC
 ☐ P/MR
 ☐ U/FR
 ☐ U/FA
 ☐ DOCUMENTATION
 ☐ LEVEL II

G1517R1

WCS RESTRAINT ASSEMBLY, P/N 10159-10010-06(1)

<u>ITEM</u>	<u>QUANTITY</u>	<u>DESCRIPTION</u>
1	1	WCS Bag Assembly, P/N 10159-80006-04
2	As Required	Urinal Cap, Female, Either P/N 47C265933G1 or P/N 47C265941PI
3	As Required	Urinal Cap, Male, Either P/N 47C265751G2 or P/N 47C265939GI
4	1	Personal Hygiene Wet Wash Package P/N 10108-10048-01
5	36	Prefilter Pads, P/N 63B315456
6	4	Plastic Gloves, P/N 10159-20048-01
7	1 set	(2) Thigh Straps, 2 of P/N 10159-80008-01, and 2 of P/N 10159-80008-02
8	1	Urine QD Adapter Assembly, P/N V627-623325-003
9	1	Contingency Slinger Scraper Tool P/N 10159-220087-02

*NOTE:

- (1) P/N 10159-10010-06 will be rolled to -07 for 51-C by CCBD #G1517 and addition of more elastic tethers to the WCS Stowage Bag.
- (2) Use to secure bag to WCS.

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483-5523