

# MIB and FOP

## MIB

New updates of the MIB are sent regularly from MOC to SOC via GFTS and automatically distributed to all instrument teams, also via GFTS.

### CURRENT and UPCOMING MIBs

Note: The MIB distributed on 20220105 had an error in the vdf file and in the name, as it was called version 20220205. MOC has confirmed the error made. As the rest of the MIB content is valid, the file will not be reissued or renamed. But it may cause trouble for Instrument Teams looking for the most recent MIB through the filenaming.

STATUS	MIB name	Release notes	Corresponding FOP	Applicability
CURRENT	MIB__20230120M02023PFMS001_SOL.zip	<a href="#">02023PFM_CSW3.1.2_MAS7.33.pdf</a>		<b>All instruments to use this version from STP-244 onwards until further notice:</b>  New PHI sequences.  RPW formal parameters (AIWF037K)  New METIS sequences (AITF490A/B, AITF502A)
UPCOMING				

## MIB applicability

Once a planning block is open, you can continue to use the MIB with which the block was opened for the whole block, as long as there are **no new MIB updates** during that block **affecting your instrument**. However you must **update to the new MIB for the next block**.

As such there may be more than 1 applicable MIB per block/STP.

## All Previously applicable MIB versions

MIB name	Release notes	Corresponding FOP	Applicability
MIB__20190411M10119PFMS001_SOL	<a href="#">10119PFM_CS W3.0_MAS6.11.pdf</a> MAS 6.11 ( <a href="#">release notes</a> ) Scope: CSW v3.0-PFM		E2E-1 (and E2E-D1), May-June 2019
MIB__20200124M02420PFMS001_SOL.zip	<a href="#">35419PFM_CS W3.0.31 p1_MAS6.51.pdf</a> MAS 6.51 ( <a href="#">release notes</a> ) Scope: CSW 3.0.3p1	FOP 3.0	<i>not yet defined</i>
MIB__20200131M03120PFMS001_SOL.zip	<a href="#">03120PFM_CS W3.0.31 p1_MAS6.51.pdf</a> MAS 6.51 ( <a href="#">release notes</a> ) Scope: CSW 3.0.3p1	FOP 3.0	<i>launch version, applicability not yet defined</i>

MIB__20200221 M05220PFMS00 1_SOL.zip	05220PFM_CS W3.0.31 p1_MAS6.51. pdf MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1	NECP version, applicability not formally defined  (includes PHI FSW update at start NECP)
MIB__20200228 M05920PFMS00 1_SOL.zip	05920PFM_CS W3.0.31 p1_MAS6.51. pdf MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1	NECP version, applicability not formally defined  (includes updates for RPW, STIX, EUI)
MIB__20200320 M08020PFMS00 1_SOL.zip	08020PFM_CS W3.0.31 p1_MAS6.51. pdf MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1	NECP version, applicability not formally defined  (includes updates in RPW sequences and EPD, SoloHI, MAG, RPW, STIX commands)
MIB__20200401 M09220PFMS00 1_SOL.zip	09220PFM_CS W3.0.3 p1_MAS6.51. pdf MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1	NECP version, applicability not formally defined  <i>Not implemented in SOC due to internal inconsistencies in MIB</i>
MIB__20200408 M09920PFMS00 1_SOL.zip	09920PFM_CS W3.0.3 p1_MAS6.51. pdf MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1	NECP version, applicability not formally defined  (includes removal of several deprecated instrument sequences and implementation of PHI database v4.4)
MIB__20200416 M10720PFMS00 1_SOL.zip	10720PFM_CS W3.0.3 p1_MAS6.51. pdf MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1	NECP version, applicability not formally defined  (includes mainly updates for Metis)
MIB__20200505 M12620PFMS00 1_SOL.zip	12620PFM_CS W3.0.3 p1_MAS6.51. pdf MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1	Temporary version for Cruise STPs 100-101 (IORs can be sent based on this version, or the next one)
MIB__20200513 M13420PFMS00 1_SOL.zip	13320PFM_CS W3.0.3 p1_MAS651. pdf MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1	Cruise STPs 100-101 (LTP1) and Cruise STPs 102-103 (LTP2)  <i>only still an update required for STIX</i>
<b>MIB__20200515</b> <b>M13620PFMS00</b> <b>1_SOL.zip</b>	13620PFM_CS W3.0.3 p1_MAS651. pdf MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1	<b>Cruise STPs 100-101 (LTP1) and Cruise STPs 102-103 (LTP2)</b>
MIB__20200528 M14920PFMS00 1_SOL.zip	14920PFM_CS W3.0.3 p1_MAS6.51. pdf MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1	<i>MIB update for PHI STP-100 (other payload can stick to previous version above)</i>

MIB__20200603 M15520PFMS00 1_SOL.zip	<a href="#">15520PFM_CS W3.0.3 p1_MAS6.51. pdf</a> MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1		<i>MIB update for SWA and Metis (other payload can stick to 15 May version above)</i>
MIB__20200618 M17020PFMS00 1_SOL.zip	<a href="#">17020PFM_CS W3.0.3 p1_MAS6.51. pdf</a> MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1		<i>MIB update for RPW beginning in STP-102 (other payload can stick to 15 May version above).</i>
<b>MIB__20200624</b> <b>M17620PFMS00</b> <b>1_SOL.zip</b>	<a href="#">17620PFM_CS W3.0.3 p1_MAS6.51. pdf</a>  MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1		MIB Update for SWA-PAS with applicability for STP-103. Note errors in AIWF050L & AIWF050M. Also update of MAG IDB to 5.4 (compatibility implications for AIMF413).  <b>Baseline MIB from STP-104 onwards</b>
MIB__20200710 M19220PFMS00 1_SOL.zip	<a href="#">19220PFM_CS W3.0.3 p1_MAS6.51. pdf</a>  MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1		MIB Update with sequence updates SWA and RPW (also new SPICE CRPs). <b>Applicable for SWA and RPW from STP-105 onwards</b>
MIB__20200715 M19720PFMS00 1_SOL.zip	<a href="#">19720PFM_CS W3.0.3 p1_MAS6.51. pdf</a>  MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1		MIB Update with sequence updates for EUI. <b>Applicable for EUI from STP-107 onwards</b>
MIB__20200723 M20520PFMS00 1_SOL.zip	<a href="#">20520PFM_CS W3.0.3 p1_MAS6.51. pdf</a>  MAS 6.51 (rele ase notes) Scope: CSW 3.0.3p1		MIB Update with sequence updates for SWA. <b>Applicable for SWA from STP-107 onwards</b>
MIB__20200831 M24420PFMS00 1_SOL.zip	<a href="#">24420PFM_CS W3.1.1_MAS7. 21.pdf</a>  MAS 7.21 (rele ase notes) Scope: <b>CSW 3. 1.1</b>		New MIB for CSW update to CSW 3.1.1. <b>Applicable for all payload from STP-113 onwards.</b> <i>Note that it does not include any payload updates so it should not affect IORs. If you do not receive the MIB in time for your STP-113 IOR delivery, it is acceptable to only implement it from STP-114 onwards).</i>
MIB__20200908 M25220PFMS00 1_SOL.zip	<a href="#">25220PFM_CS W3.1.1_MAS7. 21.pdf</a>  MAS 7.21 (rele ase notes) Scope: <b>CSW 3. 1.1</b>		Final MIB for CSW3.1.1 with STIX sequence changes. <b>Applicable for all payload from STP-115 onwards.</b>
MIB__20200924 M26820PFMS00 1_SOL.zip	<a href="#">26820PFM_CS W3.1.1_MAS7. 21.pdf</a>  MAS 7.21 (rele ase notes) Scope: <b>CSW 3. 1.1</b>		MIB for STP-116 with updates to SWA Sequences. <b>Applicable to STP-116 onwards for SWA and STP-117 onwards for all other instruments.</b>

MIB__20201005 M27920PFMS00 1_SOL.zip	<a href="#">27920PFM_CS W3.1.1_MAS. 7.21.pdf</a>  MAS 7.21 (rele ase notes) Scope: <b>CSW 3. 1.1</b>		MIB for STP-118 with updates to PHI, EUI, STIX and SWA sequences. <b>Applicable from STP-118 onwards for those 4 instruments and STP-119 onwards for all other instruments.</b>
MIB__20201029 M30320PFMS00 1_SOL.zip	<a href="#">30320PFM_CS W3.1.1_MAS7. 21.pdf</a>  MAS 7.21 (rele ase notes) Scope: <b>CSW 3. 1.1</b>		MIB for STP-122 with updates to Metis, PHI, STIX and RPW sequences. <b>Applicable from STP-122 onwards for those 4 instruments and STP-123 onwards for all other instruments.</b>
MIB__20201113 M31820PFMS00 1_SOL.zip	<a href="#">31820PFM_CS W3.1.1_MAS7. 21.pdf</a>  MAS 7.21 (rele ase notes) Scope: <b>CSW 3. 1.1</b>		MIB for STP-124 with updates to SOC-plannability of STIX sequences and timing of EUI memory-swap sequences. <b>Applicable for all payload from STP-124 onwards.</b>
MIB__20201202 M33720PFMS00 1_SOL.zip	<a href="#">33720PFM_CS W3.1.1_MAS7. 21.pdf</a>  MAS 7.21 (rele ase notes) Scope: <b>CSW 3. 1.1</b>		MIB for STPs 127 to STP-131 (at least). Includes few sequence updates for EPD. <b>Applicable for all payload from STP-127 onwards.</b>
MIB__20210118 M01821PFMS00 1_SOL.zip	<a href="#">01821PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (rele ase notes) Scope: <b>CSW 3.1.2</b>		MIB update affecting EUI sequences, associated with EUI SW update onboard.  <b>Applicable from STP-133 onwards for EUI. Unaffected instruments can use previous MIB for STP132-136.</b>
MIB__20210204 M03521PFMS00 1_SOL.zip	<a href="#">03521PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (rele ase notes) Scope: <b>CSW 3.1.2</b>		MIB update affecting PHI sequences, associated with PHI SW update onboard + new EPD sequence made SOC-plannable.  <b>Applicable from STP-136 onwards for PHI and EPD. Applicable to all payload from STP-137 onwards.</b>
MIB__20210223 M05421PFMS00 1_SOL.zip	<a href="#">05421PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (rele ase notes) Scope: <b>CSW 3.1.2</b>		MIB update affecting MAG and RPW sequences, needed from STP-138 onwards.  Note MAG update actually came in <a href="#">04221PFM_CSW3.1.2_MAS7.33.pdf</a>
MIB__20210302 M06121PFMS00 1_SOL.zip	<a href="#">06121PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (rele ase notes) Scope: <b>CSW 3.1.2</b>		<i>MIB update affecting PHI sequences only, to be used by PHI team for STP140 and onwards</i>
MIB__20210319 M07821PFMS00 1_SOL.zip	<a href="#">07821PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (rele ase notes) Scope: <b>CSW 3.1.2</b>		MIB containing new RPW and SWA sequences. SWA sequences <b>not yet in place</b> in SOC model. Applicable from STP-143.

MIB__20210330 M08921PFMS00 1_SOL	<a href="#">08921PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (release notes) Scope: <b>CSW</b> <b>3.1.2</b>		Containing sequence updates for EPD, SWA, EUI, MAG, & Metis. MAG and Metis changes are simply connection test sequences. SoloHI changes listed in the notes are only version number increments relating to documentation updates at ESOC. No sequence content has changed.  <b>Applicable to all payload from STP-144.</b>
MIB__20210512 M13221PFMS00 1_SOL.zip	<a href="#">13221PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (release notes) Scope: <b>CSW</b> <b>3.1.2</b>		STPs 150-153  Make IU-FCP-370 SOC Plannable  TAC ROUTING  RPW: new formal param values in AIWF037
MIB__20210519 M13921PFMS00 1_SOL.zip	<a href="#">13921PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (release notes) Scope: <b>CSW</b> <b>3.1.2</b>		For STP150+ for RPW. AIWF038M (with new formal parameters)  (and ADMS524B and ADMF548A)
MIB__20210627 M17821PFMS00 1_SOL.zip	<a href="#">17821PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (release notes) Scope: <b>CSW</b> <b>3.1.2</b>		For STP-155 and later. Changes to STIX covering its FSW update, as well as updated parameters for SWA and minor change for EUI.  No change for the rest of the payload.
MIB__20210708 M18921PFMS00 1_SOL.zip	<a href="#">18921PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (release notes) Scope: <b>CSW</b> <b>3.1.2</b>		Required for SWA for STP-157 onwards (new sequence AIAF061B). Other instruments should use for STPs 158- to 61 if possible.
MIB__20210806 M21821PFMS00 1_SOL.zip	<a href="#">21821PFM_CS W3.1.2_MAS7. 33.pdf</a>  MAS 7.33 (release notes) Scope: <b>CSW</b> <b>3.1.2</b>		STIX/SPICE/PHI /SOLOHI/SWA update for STP 162 , delivered 6th August.  Note that this is the MIB used for the start of <b>Block 3</b> in <a href="#">STP-158 to 167 Schedule</a> , so all payload instruments should use this for STPs 162 and 163 if at all possible.
MIB__20210915 M25821PFMS00 1_SOL.zip	<a href="#">25821PFM_CS W3.1.2_MAS7. 33.pdf</a>		MIB updates for METIS command reduction OBCPs. Applicable from 167 version 2
MIB__20210920 M26321PFMS00 1_SOL.zip	<a href="#">26321PFM_CS W3.1.2_MAS7. 33.pdf</a>		EPD tidy up for September (for use 169)  New RPW sequences (for use 169+)
MIB__20211008 M28121PFMS00 1_SOL.zip	<a href="#">28121PFM_CS W3.12_MAS7. 33.pdf</a>  MAS 7.33 (release notes) Scope: <b>CSW</b> <b>3.1.2</b>		New RPW burst mode sequences (for STP 171 targeted MIB)  PHI 2 new sequences + 1 sequence update (for use in STP172)  <b>Applicable for all payload from STP172 onwards</b>
MIB__20211028 M30121PFMS00 1_SOL.zip	<a href="#">30121PFM_CS W3.1.2_MAS7. 33.pdf</a>		STPs 181 and 182 opened on this MIB. Instruments should should IORs on this MIB for 181-182 unless they require the next release  Changes include: RPW sequence updates and EUI FSW related changes  For RPW -needed for STP179, EUI -no effect on SOC
MIB__20211118 M32221PFMS00 1_SOL.zip	<a href="#">32221PFM_CS W3.1.2_MAS7. 33.pdf</a>	5.0	Changes: METIS & RPW updates for STP 180. Required for these 2 instrument. All instruments can send IORs on this MIB from 181-182.  STPs 183-187 will be opened on this MIB ( MIB__20211118M32221PFMS001_SOL )  <b>All instruments (except SPICE, see below) can use this MIB__20211118M32221PFMS001_SOL for 181-187 for IORs.</b>

MIB__20211130 M33421PFMS00 1_SOL.zip	<a href="#">33421PFM_CS W3.1.2_MAS7. 33.pdf</a>	5.0	<p><b>Required by SPICE from 182 onwards</b></p> <ul style="list-style-type: none"> <li>Update of SPICE CMS sequences (delayed from August) allowing new parameter formats</li> <li>introduction of new switch-on sequence for Metis (not permitted via IOR until STP-187).</li> </ul> <p>SOC will update to this MIB from STP-182</p> <p>STPs 183-187 will be opened on MIB__20211118M32221PFMS001_SOL but updated to this MIB (MIB__20211130M33421PFMS001_SOL).</p>
MIB__20220112 M01222PFMS00 1_SOL.zip	<a href="#">01222PFM_CS W3.1.2_MAS7. 33.pdf</a>	5.0	<p><b>All instruments should use this MIB from STP188 onwards.</b></p> <p>Required by PHI (SPICE, Metis) from STP187.</p> <p>Includes updates that were delivered in several different MIBs (only applied in SOC now): New PHI IDB, STIX IDB, SWA IDB, SWA updated OOL limits, 2 new PHI sequences AIPF709 and AIPF710</p>
MIB__20220202 M03322PFMS00 1_SOL.zip	<a href="#">03322PFM_CS W3.1.2_MAS7. 33.pdf</a>	5.0	<p><b>All instruments should use this MIB from STP191 onwards.</b></p> <p>4 PHI new sequences to be applied at SOC and usable in IORs. SPICE LUTs updated. Valid from <b>190</b> (for SPICE).</p>
MIB__20220112 M01222PFMS00 1_SOL.zip	<a href="#">01222PFM_CS W3.1.2_MAS7. 33.pdf</a>	5.0	<p><b>All instruments should use this MIB from STP188 onwards.</b></p> <p>Required by PHI (SPICE, Metis) from STP187.</p> <p>Includes updates that were delivered in several different MIBs (only applied in SOC now): New PHI IDB, STIX IDB, SWA IDB, SWA updated OOL limits, 2 new PHI sequences AIPF709 and AIPF710</p>
MIB__20220202 M03322PFMS00 1_SOL.zip	<a href="#">03322PFM_CS W3.1.2_MAS7. 33.pdf</a>	5.0	<p><b>All instruments should use this MIB from STP191 onwards.</b></p> <p>4 PHI new sequences to be applied at SOC and usable in IORs. SPICE LUTs updated. Valid from <b>190</b> (for SPICE).</p>
MIB__20220224 M05522PFMS00 1_SOL.zip	<a href="#">05522PFM_CS W3.1.2_MAS7. 33.pdf</a>	5.0	<p>SWA changes, <b>applicable for all instruments from STP-194 onwards (or later MIB releases)</b></p>
MIB__20220306 M06522PFMS00 1_SOL.zip	<a href="#">06522PFM_CS W3.1.2_MAS7. 33.pdf</a>	5.0	<p><b>Applicable for PHI from STP195 onwards.</b> PHI update incl. new procedure IP-FCP-021 (+ can be used by other instruments)</p>
MIB__20220505 M12522PFMS00 1_SOL.zip	<a href="#">12522PFM_CS W3.1.2 _MAS733.pdf</a>	6.0	<p><b>Applicable for Metis and PHI from STP-204 onwards.</b></p> <p><b>Applicable for all instruments from STP-205 onwards.</b></p> <p>METIS HVU ramp up update after UVDA test (FCR-1016)/METIS HVU ramp down update after UVDA test (FCR-1018): update required for resuming UV operations. Additional Op/Non-Op config for PHI around annealing.</p>
MIB__20220520 M13922PFMS00 1_SOL.zip	<a href="#">13922PFM_CS W3.1.2_MAS7. 33.pdf</a>	6.0	<p><b>Applicable for Metis and SWA from STP-206 onwards.</b></p> <p><b>All instruments shall use this version from STP-210 onwards until further notice</b></p>
MIB__20220912 M25522PFMS00 1_SOL.zip	<a href="#">25522PFM_CS W3.1.2_MAS7. 33.pdf</a>	6.0	<p><b>PHI FSW applicable for STP223 and onwards</b> <b>All instruments shall use this version from STP-226 onwards until further notice</b></p> <p>EPD Add two new sequences to open/close SIS IRIS from the MPS (not plannable from IORs)</p> <p>EUI, procedure updates to allow EUI to have 1 IOR per day.</p>
MIB__20220912 M25522PFMS00 1_SOL.zip	<a href="#">25522PFM_CS W3.1.2_MAS7. 33.pdf</a>	6.0	<p><b>All instruments shall use this version from STP-226 onwards until further notice</b></p> <p>EPD Add two new sequences to open/close SIS IRIS from the MPS (not plannable from IORs)</p> <p>EUI, procedure updates to allow EUI to have 1 IOR per day.</p> <p>PHI FSW applicable for STP223 and onwards</p>
			30 November, 2022 <b>will not be used by SOC</b> . Not applicable to any STP/instruments
			5 January 2023 <b>will not be used by SOC</b> . Not applicable to any STP/instruments

## FOP

Most recent FOP is Solar Orbiter FOP Issue 6.0, as distributed by MOC.