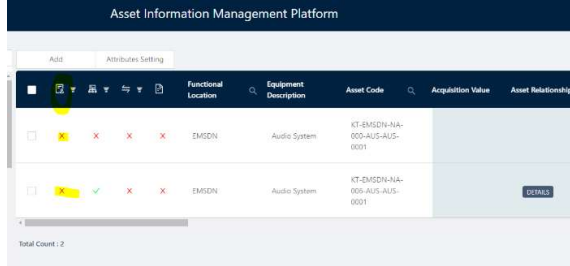


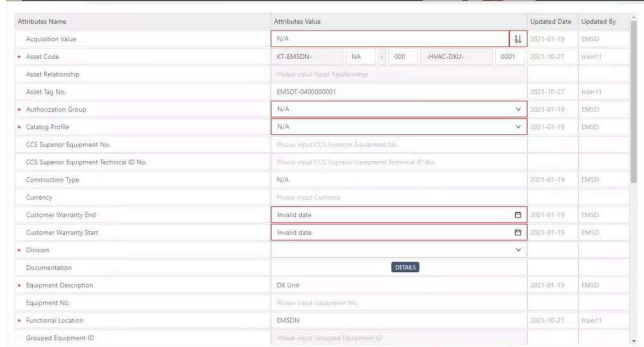
Response-to-Comment for Guidelines for the Handover of E&M Installation to EMSD

No.	Comment from	Section / Standard	Comments	Responses
Response-to-Comment for Guidelines for the Handover of E&M Installation to EMSD				
1.	MUNSD	Table 1-1	Is there any conditions / guideline state in the document for different role, say the "SBU, O&M team" and "BIMSD", to compromise in managing of the handover AIM models?	SBU should check the BIM-AM deliverables, handle the handover of BIM models; Central BIM team serves as the Record office to update the master BIM models provided by SBU.
2.	MUNSD	--	<p>Data synchronization</p> <p>Phase 1 - manually</p> <p>Phase 2 - Automatically</p> <p>How to confirm the data on both methods is correct??</p> <p>EMSD O&M team should response to spend much time to verify the correctness of models at the end of DLP before handover (what is the meaning?).</p> <p>so much tables are involved to maintain but this the role should be handled by CCS team before</p>	<ul style="list-style-type: none"> - Phase 1 – Manual upload data and BIM to BIM-AM systems. - Phase 2 – Once the system interface between BIM-AM Systems and AIMP completed, data and model would be automatically synchronized to BIM-AM systems. Before uploading to CDE, AIMP would contain asset data validation function to ensure the completeness of data upload. Also, tools are developed to assist the handover, for example, BIM model checker is developed to assist the checking on attribute setting & naming in models. - The pick list requirement has been aligned in AIMP for each asset field to facilitate the smooth upload to CCS

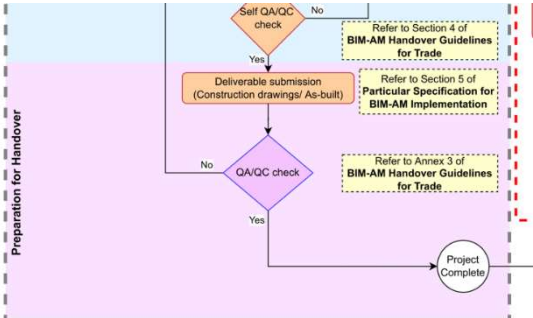
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				<p>- The pick list requirement has been aligned in AIMP for each asset field to facilitate the smooth upload to CCS</p> 
3.	HSD	--	The proposed roles and responsibilities among ArchSD, contractor, FM, and O&M team, as well as the proposed communication and workflow, may not work in practice mainly due to resources, liabilities, authorisation, contractual relationship considerations, etc.	Noted. The diagram for roles and responsibilities has been updated.
4.	HSD	--	Certain workflow, such as answering AIMP-related questions from contractors, should better be handled by a dedicated central team, rather than by the O&M team who has no knowledge nor incentive to apprehend how AIMP works under the hood.	Helpdesk support will be arranged to handle the enquiry from trade and EMSD staff.
5.	HSD	2.2.2 Stage II – Uploading Asset Data	For AIMP related questions, it is suggested a central team should assume the contact point.	Helpdesk support will be arranged to handle the enquiry from trade and EMSD staff.
6.	HSD	2.4.3 Asset Relationship	The topology in AIMP is overlapping	AIMP topology will be discussed in the forthcoming user interface (UI) meeting in Q4 2022.

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7.	HSD	<p>4.1.1 Object Data Completeness</p> <p>4.1.2 BIM Model Checklist</p>	<p>Do you mean, as long as Contractor stated all "mandatory" fields are populated, that will pass this check?</p> <p>-Do you mean, as long as Contractor declared the self-checking is passed, then we can accept it for this stage?</p> <p>-Only verify the checklist submitted? Or need to conduct verification on the model/schedule? Any procedure or criteria for acceptance?</p>	<ul style="list-style-type: none"> - The contractor shall declare self-checking has been conducted by submitting the checklist but it does not automatically mean deliverables are acceptable. - Acceptance of the deliverable is subject to verification by EMSD; refer to A/U Guide for details. - Contractor's personnel listed in the checklist will be held accountable for the resubmission of any non-compliance items. 																																																																												
8.	HSD	<p>4.2 AIMP Data Checking Figure 4-4 Checking Topology and Documents in AIMP</p>	<p>-Will the AIMP signifies to the O&M team that the Contractor has captured all mandatory information in the system.</p>	<p>Validation of mandatory asset information has been addressed in AIMP system (also mentioned in Section 6.1.4 in BIM-AM Standards and Guidelines v3.0).</p>  <table border="1" data-bbox="1444 858 2085 1206"> <thead> <tr> <th>Attribute Name</th> <th>Attribute Value</th> <th>Updated Date</th> <th>Updated By</th> </tr> </thead> <tbody> <tr> <td>Acquisition Value</td> <td>N/A</td> <td>2024-01-19</td> <td>EMSD</td> </tr> <tr> <td>Asset Code</td> <td>KT-EMSDN-NA-000-0000-0001</td> <td>2024-10-27</td> <td>msm11</td> </tr> <tr> <td>Asset Relationship</td> <td>EMSDT-040000001</td> <td>2024-10-27</td> <td>msm11</td> </tr> <tr> <td>Asset Tag No.</td> <td>EMSDT-040000001</td> <td>2024-01-19</td> <td>EMSD</td> </tr> <tr> <td>Authorization Group</td> <td>N/A</td> <td>2024-01-19</td> <td>EMSD</td> </tr> <tr> <td>Catalog Profile</td> <td>N/A</td> <td>2024-01-19</td> <td>EMSD</td> </tr> <tr> <td>CCS Supplier Equipment No.</td> <td>Please input CCS Supplier Equipment No.</td> <td></td> <td></td> </tr> <tr> <td>CCS Supplier Equipment Technical ID No.</td> <td>Please input CCS Supplier Equipment Technical ID No.</td> <td></td> <td></td> </tr> <tr> <td>Construction Type</td> <td>N/A</td> <td>2024-01-19</td> <td>EMSD</td> </tr> <tr> <td>Currency</td> <td>Please input Currency</td> <td></td> <td></td> </tr> <tr> <td>Customer Warranty End</td> <td>Invalid date</td> <td>2024-01-19</td> <td>EMSD</td> </tr> <tr> <td>Customer Warranty Start</td> <td>Invalid date</td> <td>2024-01-19</td> <td>EMSD</td> </tr> <tr> <td>Division</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Documentation</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Equipment Description</td> <td>DX Unit</td> <td>2024-01-19</td> <td>EMSD</td> </tr> <tr> <td>Equipment No.</td> <td>Please input Equipment No.</td> <td></td> <td></td> </tr> <tr> <td>Functional Location</td> <td>EMSDN</td> <td>2024-10-27</td> <td>msm11</td> </tr> <tr> <td>Grouped Equipment ID</td> <td>Please input Grouped Equipment ID</td> <td></td> <td></td> </tr> </tbody> </table>	Attribute Name	Attribute Value	Updated Date	Updated By	Acquisition Value	N/A	2024-01-19	EMSD	Asset Code	KT-EMSDN-NA-000-0000-0001	2024-10-27	msm11	Asset Relationship	EMSDT-040000001	2024-10-27	msm11	Asset Tag No.	EMSDT-040000001	2024-01-19	EMSD	Authorization Group	N/A	2024-01-19	EMSD	Catalog Profile	N/A	2024-01-19	EMSD	CCS Supplier Equipment No.	Please input CCS Supplier Equipment No.			CCS Supplier Equipment Technical ID No.	Please input CCS Supplier Equipment Technical ID No.			Construction Type	N/A	2024-01-19	EMSD	Currency	Please input Currency			Customer Warranty End	Invalid date	2024-01-19	EMSD	Customer Warranty Start	Invalid date	2024-01-19	EMSD	Division				Documentation				Equipment Description	DX Unit	2024-01-19	EMSD	Equipment No.	Please input Equipment No.			Functional Location	EMSDN	2024-10-27	msm11	Grouped Equipment ID	Please input Grouped Equipment ID		
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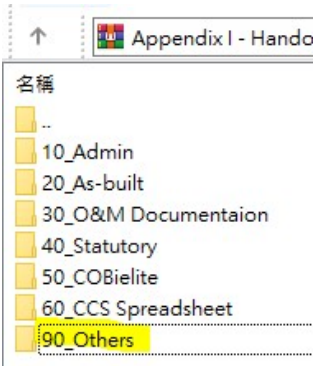
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9.	HSD	4.2.2 Data Integrity	<p>-Do you mean Contractor to make the selection?</p> <p>-Would there be a prerequisite that, the as-built drawings should have been checked and accepted by maintenance agent before this step?</p>	<p>The sentence about selection of equipment has been removed. Contractor shall conduct checks for all equipment and not selective ones. As illustrated in Fig 1-3, Overall Handover Workflow from Design to Project Handover Diagram, all as-built information should have been reviewed and accepted by ArchSD before DLP.</p> 
10.	HSD	4.3 On-site Checking	<p>-Please advise the definition of "Major".</p> <p>-Any standard for the inspection? (E.g. Qty / sampling rate, acceptance criteria)</p> <p>Should the standard be included in the contracts between ArchSD and the Contractor?</p>	<p>The wording “major” has been removed as it shall be the Contractor’s obligation to install all tags properly.</p> <p>The sampling standard for the inspection is not specified in Handover Guide as the contractor should install all and conduct checking for all installed items, not just some, RFID/QR tags properly on site.</p>
11.	HSD	Annex 3 - BIM-AM Handover Checklist Item 2.4.1	<p>Where defined the procedure and passing criteria of "model quality check"?</p>	<p>This item has been revised as: “All BIM models together with completed checklists shall be submitted and approved by EMSD”</p>

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12.			<p>Reference is made to Section 8.5 of EMSD TC 2/2022, all computer hardware, software (including operating system, application software and its software recovery, final version of source codes / scripts and their compilation tools and release procedures, anti-virus software and policy settings etc.), manuals, licenses, database, database schema, data flow diagram, suitable training materials (including video) and passwords of all level / rights should be provided if specific computer programme or software is necessary for the operation and maintenance of the installed plant/system. In this connection, it is recommended to upload the required information and materials to CDE and/or AIMP for facilitating the subsequent maintenance and update.</p>	<p>The software (including operating system, application software and its software recovery, final version of source codes / scripts etc.) can be saved under 90_Others with folder(s) to be created by users. This statement has been incorporated in folder description in Appendix I.</p>
13.	SVSD	--	<p>Reference is made to Section 8.5 of EMSD TC 2/2022, all computer hardware, software (including operating system, application software and its software recovery, final version of source codes / scripts and their compilation tools and release procedures, anti-virus software and policy settings etc.), manuals, licenses, database, database schema, data flow diagram, suitable training materials (including video) and passwords of all level / rights should be provided if specific computer programme or software is necessary for the operation and maintenance of the installed plant/system</p>	<p>The software (including operating system, application software and its software recovery, final version of source codes / scripts etc.) can be saved under 90_Others with folder(s) to be created by users. This statement has been incorporated in folder description in Appendix I.</p>

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	SVSD	--	<p>. In this connection, it is recommended to upload the required information and materials to CDE and/or AIMP for facilitating the subsequent maintenance and update.</p>	
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