



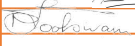
| TRANSNET PIPELINES | |  | |
|-----------------------------------|--------------------------------|---|------|
| Inland Network Automation Project | Document Number | Rev | Page |
| Document Handover Matrix | PRJ: H373204-0000-720-026-0001 | 0 | i |
| | TPL: HO1406-TPL-ENG-MTX-0001 | 0 | |


Transnet Pipelines

Document Handover Matrix







H373204-0000-720-026-0001


DOCUMENT APPROVAL PROCESS

| | NAME | POSITION/MEETING No. | SIGNATURE | DATE |
|-----------------|-------------------|-------------------------|--|------------|
| Originator: | Fanie Scholtz | Project Manager (Hatch) |  | 19 06 2024 |
| Approver: | Neresh Thoolsiram | TPL Project Manager |  | 25/06/2024 |
| Original date: | 19 06 2024 | | | |
| Effective date: | - | | | |

| TRANSNET PIPELINES | |  | |
|-----------------------------------|--|---|------|
| Inland Network Automation Project | Document Number | Rev | Page |
| Document Handover Matrix | PRJ: H373204-0000-720-026-0001 TPL: HO1406-TPL-ENG-MTX-0001 | 0 0 | ii |

APPROVAL

| RESPONSIBILITY | DESIGNATION | NAME | SIGNATURE | DATE |
|----------------|-----------------------------|--------------------|---|------------|
| COMPILED BY | Hatch Project Manager | Fanie Scholtz |  | 19 06 2024 |
| | Hatch Project Engineer | Stuart Florence |  | 19 06 2024 |
| ACCEPTED BY | TPL Specialist Consultant | Christopher Murray |  | 24-06-2024 |
| | | | | |
| | | | | |
| | | | | |
| APPROVED BY | Hatch Project Manager | Fanie Scholtz |  | 19 06 2024 |
| | TPL Project Manager | Neresh Thoolsiram |  | 25/06/2024 |
| | TPL MC&I Principal Engineer | Mabjana Matenchi |  | 25-06-2024 |

| TRANSNET PIPELINES | | |  | |
|-----------------------------------|-----------------|---------------------------|---|------|
| Inland Network Automation Project | Document Number | | Rev | Page |
| Inland Station As-Is Design Basis | PRJ: | H373204-0000-300-076-0001 | 0 | iii |
| | TPL: | H01406-TPL-ENG-DC-0001 | 0 | |

1 Document Lifecycle Management

| 1.1 Revision History | | | |
|----------------------|--------------|-------------|-----------------------|
| Date | Prev Rev No. | New Rev No. | Details of Revision |
| 12 03 2024 | - | A | Initial document |
| 11 06 2024 | A | B | Hatch Internal Review |
| 11 06 2024 | B | C | Client Review |
| 19 06 2024 | C | 0 | Approved for Use |
| | | | |
| | | | |

| 1.2 Comments Resolution | | | |
|-------------------------|---------|---------|------------|
| Date | Section | Comment | Resolution |
| | | | |
| | | | |
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H373204 Inland Network Automation Project - Document Handover Matrix - 19 06 2024

| Discipline | Deliverable Document Description | Originator | Category | DocType | Hatch > MAC | | MAC > Hatch | | Hatch > TPL (Project Execution) | | Hatch > TPL (Project As-Built) | | | Comment |
|------------------------------------|--|------------|----------------------|-------------|-------------|-----|-------------|-----|---------------------------------|-----|--------------------------------|-----|-----------|--|
| | | | | | Native | PDF | Native | PDF | Native | PDF | Native | PDF | Hard Copy | |
| DocMgt | Master Document & Drawing Register | Hatch | Global & per Station | Register | Yes | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| DocMgt | Document Distribution Matrix | Hatch | Global | Register | | Yes | | | Yes | Yes | Yes | Yes | | |
| DocMgt | Document Handover Matrix | Hatch | Global | Register | | Yes | | | Yes | Yes | Yes | Yes | | |
| DocMgt | TPL Document Templates | TPL | Global | Doc | Yes | | | | | | Yes | | | |
| DocMgt | MAC Document Templates | MAC | Global | Doc | | | Yes | | | | Yes | | | |
| DocMgt | Drawing Border Templates | TPL | Global | Dwg | Yes | | | | | | Yes | | | |
| PrjMgt | ECM Project Execution Plan | Hatch | Global | Plan | | | | | Yes | Yes | Yes | Yes | | |
| PrjMgt | MAC Project Execution Plan | MAC | Global | Plan | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| PrjMgt | Project Master Schedule (incl Basis of Schedule) | Hatch | Global | Sched | | Yes | | | Yes | Yes | | | | |
| PrjMgt | MAC Detailed Execution Schedule (incl Basis of Schedule) | MAC | Global | Sched | | | Yes | Yes | Yes | Yes | | | | |
| PrjMgt | Works Information | Hatch | Global | SOW | | Yes | | | Yes | Yes | Yes | Yes | | |
| PrjMgt | Insurance Policies and Guarantees | MAC | Global | Policy | | | | Yes | | Yes | | | | |
| PrjMgt | Insurance Policies and Guarantees | Hatch | Global | Policy | | | | | | Yes | | | | |
| PrjMgt | ECM Progress Reports | Hatch | Global | Report | | | | | Yes | Yes | | Yes | | |
| PrjMgt | MAC Progress Reports | MAC | Global | Report | | | Yes | Yes | Yes | Yes | | Yes | | |
| PrjMgt | MAC SD Monthly Report | MAC | Global | Report | | | Yes | Yes | | Yes | | Yes | | |
| PrjMgt | MAC SD Dossier | MAC | Global | Doc | | | Yes | Yes | | Yes | | Yes | | |
| PrjMgt | Project Closeout Report | Hatch | Global | Report | | | | | Yes | Yes | Yes | Yes | | |
| PrjCtrl | Monthly Project Cost Report | MAC | Global | Report | | | Yes | Yes | Yes | Yes | | Yes | | |
| PrjCtrl | Final Project Cost Report | Hatch | Global | Report | | | | | Yes | Yes | | Yes | | |
| PrjCtrl | Project Change Notice (PCN) Register | Hatch | Global | Register | | | | | Yes | Yes | | Yes | | |
| PrjCtrl | Project Change Notices (PCNs) | All | Global | Doc | | Yes | | Yes | | Yes | | Yes | | |
| PrjCtrl | Licence/Asset Register | MAC | Global | Register | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| Proc | MAC Sub-Contract Document or Purchase Order | MAC | Global | Doc | | | Yes | Yes | | Yes | | Yes | | For subcontractor packages |
| Proc | NEC Document Templates | TPL | Global | Doc | Yes | | | | | | | | | From TPL |
| Proc | Approved Compensation Events or Order Amendments, Notifications, PMI's, EW's | All | Global | Doc | | | Yes | Yes | Yes | Yes | | Yes | | |
| Proc | Invoices & Payment Certificates | Hatch | Global | Certificate | | | | | Yes | Yes | | Yes | | |
| Proc | Final Account | All | Global | Doc | | | | | Yes | Yes | | Yes | | |
| QA | ECM Project QMP | Hatch | Global | Doc | | | | | Yes | Yes | Yes | Yes | | |
| QA | MAC Project QMP | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| QA | Project QCPs, POPs | MAC | Global | Plan | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| QA | Project Software Lifecycle Plan (SLCP) and Software Configuration Management Plan (SCMP) | MAC | Global | Plan | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| QA | Test/Commissioning Plans | MAC | Global | Plan | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| Test/Commissioning Records: | | | | | | | | | | | | | | |
| QA | Thin Slice Test and Evaluation Records (PCS, CMS, PLMS) | MAC | Global | Record | | | Yes | Yes | | Yes | | Yes | | |
| QA | Thin Slice Detailed Defect Records (PCS, CMS, PLMS) | MAC | Global | Record | | | Yes | Yes | | Yes | | Yes | | |
| QA | Process Control System Software Test Records (IFAT, CFAT, SAT) | MAC | Per Station | Record | | | Yes | Yes | | Yes | | Yes | | IFAT, CFAT & SAT records per station, MCC, SCC |
| QA | Process Control System Software Detailed Defect Records (IFAT, CFAT, SAT) | MAC | Per Station | Record | | | Yes | Yes | | Yes | | Yes | | IFAT, CFAT & SAT records per station, MCC, SCC |
| QA | Custody Metering System Software Test Records (IFAT, CFAT, SAT) | MAC | Per Station | Record | | | Yes | Yes | | Yes | | Yes | | IFAT, CFAT & SAT records per station |
| QA | Custody Metering System Software Detailed Defect Records (IFAT, CFAT, SAT) | MAC | Per Station | Record | | | Yes | Yes | | Yes | | Yes | | IFAT, CFAT & SAT records per station |
| QA | PLMS Software Test Records (IFAT, CFAT, SAT) | MAC | Per Station | Record | | | Yes | Yes | | Yes | | Yes | | IFAT, CFAT & SAT only for MCC |
| QA | PLMS Software Detailed Defect Records (IFAT, CFAT, SAT) | MAC | Per Station | Record | | | Yes | Yes | | Yes | | Yes | | IFAT, CFAT & SAT only for MCC |
| QA | PLC, Metering, Server, Comms Panel Test Records (IFAT, CFAT) | MAC | Per Station | Record | | | Yes | Yes | | Yes | | Yes | | |
| QA | Internal QA Audit Record | MAC | Global | Record | | | Yes | Yes | | Yes | | Yes | | |
| QA | Non Conformance Reports (NCR's) | Hatch | Global | Report | | Yes | | | | Yes | | Yes | | |
| QA | Non Conformance Register | Hatch | Global | Register | | Yes | | | | Yes | | Yes | | |
| QA | Decisions | Hatch | Global | Doc | | Yes | | | | Yes | | Yes | | |
| QA | Concessions | MAC | Global | Doc | | | Yes | Yes | | Yes | | Yes | | |
| QA | Decision/Concession Register | Hatch | Global | Register | | Yes | | | Yes | Yes | Yes | Yes | | |
| Risk | Risk Register | Hatch | Global | Register | | Yes | | | Yes | Yes | Yes | Yes | | |
| Risk | Works Risk Assessments | MAC | Global | Register | | | Yes | Yes | | Yes | | Yes | | |
| Risk | Risk Reports | MAC | Global | Report | | | Yes | Yes | | Yes | | Yes | | |
| HSE | Principal Contractors Health and Safety Management plans | MAC | Global | Plan | | | Yes | Yes | | Yes | | Yes | | |
| HSE | Site Safety Files for principal contractors and sub-contractors | MAC | Global | Plan | | | Yes | Yes | | Yes | | | | Safety Files hard copies to be kept on site during Works |
| HSE | Health and Safety monthly reports for the site | MAC | Global | Report | | | Yes | Yes | | Yes | | Yes | | |
| HSE | Health and Safety Management close out report | MAC | Global | Report | | | Yes | Yes | | Yes | | Yes | | |
| HSE | Incident reports for all reportable incidents (DOL) (SAMSA) | All | Global | Report | | | Yes | Yes | | Yes | | Yes | | |

H373204 Inland Network Automation Project - Document Handover Matrix - 19 06 2024

| Discipline | Deliverable Document Description | Originator | Category | DocType | Hatch > MAC | | MAC > Hatch | | Hatch > TPL (Project Execution) | | Hatch > TPL (Project As-Built) | | | Comment |
|-------------|--|------------|-------------|-------------|-------------|-----|-------------|--------------------|---------------------------------|-----|--------------------------------|-----|-----------|--|
| | | | | | Native | PDF | Native | PDF | Native | PDF | Native | PDF | Hard Copy | |
| EngMgt | Standards and General Specifications, Procedures, Work Instructions and Method Statements | Hatch | Global | Spec | | Yes | | | Yes | Yes | Yes | Yes | | Automation standard (PL723) will be updated as part of the project. |
| EngMgt | Project Specific Specifications and Data Sheets (Equipment, Installation, Instrument, Functional etc.) | Hatch | Global | Spec | | Yes | | | Yes | Yes | Yes | Yes | | |
| EngMgt | Engineering and Design Reports (Design Reviews, Peer Reviews, Studies/Surveys etc.) | MAC | Global | Report | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| EngMgt | Field Engineering Queries (FEQ) and Register | MAC | Global | Register | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| EngMgt | Materials Management Register | MAC | Global | Register | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| EngMgt | Procurement Tracking Register | MAC | Global | Register | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| FSafety | Hazart Hazardous Area Classification Report | Hatch | Per Station | Report | | | | | Yes | Yes | Yes | Yes | | Where identified in Task Order |
| FSafety | General Hazardous Area Classification Report | TPL | Per Station | Report | | Yes | | | | | | | | Existing drawings issued to MAC for inclusion in HAZLOC file |
| FSafety | Layer of Protection Analysis | Hatch | Per Station | Report | | | | | Yes | Yes | Yes | Yes | Yes | ALR, SBG, WIR, MTN, TLR IRP |
| FSafety | Safety Requirements Specification – General | Hatch | Per Station | Spec | | | | | Yes | Yes | Yes | Yes | Yes | |
| FSafety | Safety Study and Validation Report | Hatch | Per Station | Report | | | | | Yes | Yes | Yes | Yes | Yes | ALR, SBG, WIR, MTN, TLR IRP |
| FSafety | Instrument IS Loop Certification | Hatch | Global | Certificate | | Yes | | Yes ⁽¹⁾ | Yes | Yes | Yes | Yes | Yes | IS Loop certificates to be included in HAZLOC file. ⁽¹⁾ Supporting documentation to be provided by MAC. |
| Training | Operations Manuals for PCS, PCS Replay, HMI Trainer, CMS, PLMS Systems | MAC | Global | Manual | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Training | Operations Train-the Trainer Course Material | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Training | Operating Procedure Updates | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Training | Technical Training Course Material | MAC | Global | Doc | | | | Yes | Yes | Yes | Yes | Yes | Yes | |
| Civils | Building Floor Plans (Control Room, Equipment Room, Switchgear Room Layout) | Hatch | Per Station | Dwg | | Yes | | RedLn | Update ⁽¹⁾ | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| Constr | Detailed E&I Installation Scopes of Work Definition & Bills of Quantity | MAC | Per Station | SOW | | | Yes | Yes | | Yes | | | Yes | |
| Constr | Construction Plan | MAC | Per Station | Plan | | | Yes | Yes | | Yes | | | Yes | |
| Constr | Contractor's Defects List | MAC | Per Station | Register | | | Yes | Yes | Yes | Yes | | | Yes | |
| Constr | Employer's Defects Lists | Hatch | Per Station | Register | | Yes | | | Yes | Yes | | | Yes | |
| Constr | Contractor's "Redline" Drawings - As Built | MAC | Per Station | Dwg | | | | RedLn | | Yes | | | Yes | Copy of redline drawings to be left at site post commissioning |
| Constr | Electrical Certificate of Compliance - CoC | MAC | Per Station | CoC | | | Original | Yes | | Yes | | | Yes | CoC to be included in HAZLOC file prior to commissioning |
| | - Equipment Hazardous Area Certification Documents (Electrical CoC) | MAC | Per Station | CoC | | | Yes | Yes | | Yes | | | Yes | |
| Constr | Mechanical Completion Certificate (MC) | Hatch | Per Station | Certificate | | Yes | | | | Yes | | | Yes | Only required if new process connections are installed for line over pressure protection SIF |
| Constr | Construction Permit Dossier | MAC | Per Station | Doc | | | Yes | Yes | | Yes | | | Yes | Only is required by Construction regulations. |
| Comm | NOC Changeover Strategy | Hatch | Global | Doc | | Yes | | | Yes | Yes | Yes | Yes | | |
| Comm | Station Changeover Strategy | Hatch | Global | Doc | | Yes | | | Yes | Yes | Yes | Yes | | |
| Comm | Station System Changeover Plan | MAC | Per Station | Plan | | | Yes | Yes | Yes | Yes | | | Yes | |
| Comm | Commissioning Plan & Risk Review | MAC | Per Station | Plan | | | Yes | Yes | Yes | Yes | | | Yes | |
| Comm | System, Loop and Function Testing Documentation and Records | MAC | Per Station | Record | | | Yes | Yes | | Yes | | | Yes | |
| Comm | Shut Readiness Assessment | Hatch/TPL | Per Station | Doc | | Yes | | | | Yes | | | Yes | TPL SOP Template |
| Comm | Completion Notification Certificates | MAC | Per Station | Certificate | | | | Yes | | Yes | | | Yes | |
| Comm | Completion/Defect Certificates | Hatch/TPL | Per Station | Certificate | | Yes | | | Yes | Yes | Yes | Yes | Yes | TPL Template |
| Comm | Takeover Certificates | TPL | Per Station | Certificate | | Yes | | | Yes | Yes | Yes | Yes | Yes | TPL Template |
| Process | Process & Instrumentation Diagrams (P&ID) | Hatch | Per Station | Dwg | | Yes | | RedLn | Update ⁽¹⁾ | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| | MC&I Specifications & Standards: | | | | | | | | | | | | | |
| MC&I Stds | Automation Standard | TPL | Global | Spec | | Yes | | | Update | Yes | Yes | Yes | | TPL Master |
| MC&I Stds | Process Control System User Requirements Specification | Hatch | Global | Spec | | Yes | | | | | | | | |
| MC&I Stds | HMI Trainer URS | Hatch | Global | Spec | | Yes | | | | | | | | |
| MC&I Stds | Control System Replay URS | Hatch | Global | Spec | | Yes | | | | | | | | |
| MC&I Stds | Custody Metering System User Requirements Specification (Integrated) | TPL | Global | Spec | | Yes | | | | | | | | |
| MC&I Stds | PLMS Detection User Requirements Specification | Hatch | Global | Spec | | Yes | | | Update | Yes | Yes | Yes | | |
| MC&I Stds | CMS Emerson Floboss S600+ Stream Flow Computer FDS | TPL | Global | Spec | | Yes | | | | | Yes | Yes | | |
| MC&I Stds | CMS Emerson Floboss S600+ Prover Flow Computer FDS | TPL | Global | Spec | | Yes | | | | | Yes | Yes | | |
| MC&I Stds | Alarm Philosophy | Hatch | Global | Spec | | Yes | | | | | Yes | Yes | | |
| MC&I Stds | Computer Naming Standard | TPL | Global | Doc | | Yes | Yes | Update | Yes | Yes | Yes | Yes | | Existing document to be updated |
| MC&I Stds | PLC Panel Specification | TPL | Global | Spec | | Yes | Yes | Update | Yes | Yes | Yes | Yes | | Existing document to be updated |
| MC&I Stds | Cabling, Racking, Trenching & Earthing Installation Codes Of Practice | TPL | Global | Doc | | Yes | | | | | | | | |
| | Global PCS System Design Standards (PCS, Replay, HMI Trainer): | | | | | | | | | | | | | |
| MC&I Global | PCS Control Module Library Functional Design Specification | MAC | Global | Spec | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Existing OASyS FDS to be updated, New AES SCADA FDS to be developed. |
| MC&I Global | SCADA Functional Design Specification | MAC | Global | Spec | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Existing OASyS FDS to be updated, New AES SCADA FDS to be developed. |

H373204 Inland Network Automation Project - Document Handover Matrix - 19 06 2024

| Discipline | Deliverable Document Description | Originator | Category | DocType | Hatch > MAC | | MAC > Hatch | | Hatch > TPL (Project Execution) | | Hatch > TPL (Project As-Built) | | | Comment |
|-------------|---|------------|-------------|---------|-------------|-----|-------------|---------|---------------------------------|-----|--------------------------------|-----|-----------|---|
| | | | | | Native | PDF | Native | PDF | Native | PDF | Native | PDF | Hard Copy | |
| MC&I Global | PLC Functional Design Specification | MAC | Global | Spec | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Existing OASyS FDS to be updated, New AES SCADA FDS to be developed. |
| MC&I Global | PCS Replay Functional Design Specification | MAC | Global | Spec | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Existing OASyS FDS to be updated, New AES Replay FDS to be developed. |
| MC&I Global | HMI Trainer Functional Design Specification | MAC | Global | Spec | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | Existing OASyS FDS to be updated, New AES SCADA FDS to be developed. |
| MC&I Global | LAN Network Standard | MAC | Global | Doc | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| MC&I Global | SCADA Failure & Recovery Mode Analysis | MAC | Global | Doc | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| MC&I Global | PLC Architecture Failure & Recovery Mode Analysis | MAC | Global | Doc | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| MC&I Global | PCS MIS/SAP Interface Control Document | MAC | Global | Doc | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| MC&I Global | PCS Tank Gauging System Interface Control Documents | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | PCS Gap Analysis Report (OASyS 2018 versus AES 202x) | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | PCS Deployment Strategy (OASyS, AES) | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | ISA 62443 Cyber Security Plans and Risk Assessments | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | ISA 62443 Cyber Security Compliance Assessment Report | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | PCS System Compliance Matrix | MAC | Global | Sched | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| | Global PCS Software Design Standards (PCS, Replay, HMI Trainer): | | | | | | | | | | | | | |
| MC&I Global | HMI Style Guide | MAC | Global | Doc | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| MC&I Global | PCS Report Plan | MAC | Global | Doc | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| MC&I Global | Software Coding Standard | MAC | Global | Doc | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| MC&I Global | Software Naming Standard | MAC | Global | Doc | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| | Global PCS Hardware Design Standards (PCS, Replay, HMI Trainer): | | | | | | | | | | | | | |
| MC&I Global | PLC, Server and Comms Panel Standards (incl General Arrangements, Schematics) | Hatch | Global | Spec | | Yes | | Redline | Yes | Yes | Yes | Yes | | |
| | Global CMS System Design Standards: | | | | | | | | | | | | | |
| MC&I Global | Custody Metering System Functional Design Specification | MAC | Global | Spec | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| MC&I Global | CMS Interface Control Documents | MAC | Global | Doc | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Existing document to be updated |
| | Global PLMS System Design Standards: | | | | | | | | | | | | | |
| MC&I Global | PLMS Functional Design Specification | MAC | Global | Spec | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | PLMS Data Book | Hatch | Global | Doc | Yes | Yes | | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | Simplified Process Control Diagrams | MAC | Global | Dwg | Yes | Yes | Update | Yes | Yes | Yes | Yes | Yes | | Draft SPDs issued to MAC for information |
| MC&I Global | OASyS/AES ATMOS Interface Control Documents | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | OASyS/AES PCS7 Interface Control Documents | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | PLMS Deployment Strategy (OASyS, AES) | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | PLMS Instrument Assessment Reports | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| MC&I Global | PLMS Tuning Report | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | | |
| | Staging System Designs: | | | | | | | | | | | | | |
| MC&I | Architecture Drawing (SCADA & PLC) | MAC | Staging | Dwg | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Communications Architecture/Network Topology Drawing - Ethernet, Profibus, Modbus | MAC | Staging | Dwg | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Staging System Topology Drawing | MAC | Staging | Dwg | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Staging System Panel General Arrangements | MAC | Staging | Dwg | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Staging System Panel Wiring Diagrams | MAC | Staging | Dwg | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Software License Schedule & Component BOM | MAC | Staging | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Flow Computer Configuration Specification & Records | TPU/Hatch | Staging | Doc | | | | | Yes | Yes | Yes | Yes | Yes | |
| | Station System Designs: | | | | | | | | | | | | | |
| MC&I | Architecture Drawings (SCADA & PLC) | MAC | Per Station | Dwg | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Communications Architecture/Network Topology Drawing - Ethernet, Profibus, Modbus | MAC | Per Station | Dwg | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Software License Register & Component BOMs | MAC | Global | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Station System Configuration Sheets | MAC | Global | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | IP Address List | MAC | Global | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| | MCC, SCC, HMI Trainer System Designs: | | | | | | | | | | | | | |
| MC&I | Architecture Drawings | MAC | Per Station | Dwg | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Communications Architecture/Network Topology Drawing - Ethernet, Profibus, Modbus | MAC | Per Station | Dwg | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Software License Schedule & Component BOM | MAC | Global | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | MCC, SCC, HMI Trainer System Configuration Sheets | MAC | Global | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | IP Address List | MAC | Global | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Video Wall and Area Desk Patching & Topology drawings | MAC | Global | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |

H373204 Inland Network Automation Project - Document Handover Matrix - 19 06 2024

| Discipline | Deliverable Document Description | Originator | Category | DocType | Hatch > MAC | | MAC > Hatch | | Hatch > TPL (Project Execution) | | Hatch > TPL (Project As-Built) | | | Comment |
|------------|---|------------|-------------|---------|-----------------------|-----|-------------|-------|---------------------------------|-----|--------------------------------|-----|-----------|--|
| | | | | | Native | PDF | Native | PDF | Native | PDF | Native | PDF | Hard Copy | |
| MC&I | Communications Equipment Configuration Records (Fire Walls, Switches) | MAC | Global | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Station Software Designs: | | | | | | | | | | | | | |
| MC&I | Process Control System Station Engineering Design Specification | Hatch | Per Station | Spec | | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | MAC to redline during software configuration |
| MC&I | SCADA Configuration Plan | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | PLC Configuration Plan | MAC | Per Station | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | CMS Flow Computer Configuration Specification & Records | TPL/Hatch | Per Station | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | PLC IO List | Hatch/MAC | Per Station | Sched | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| MC&I | Range, Alarm & Trip Schedule | Hatch/MAC | Per Station | Sched | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| MC&I | Alarm Configuration Database | Hatch | Global | Sched | | Yes | | RedLn | Yes | Yes | Yes | Yes | | |
| MC&I | Station Hardware Designs: | | | | | | | | | | | | | |
| MC&I | Existing PLC, Metering Panel General Arrangements | Hatch | Per Station | Dwg | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required |
| MC&I | New PLC, Metering, Server Panel General Arrangements | Hatch | Per Station | Dwg | | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| MC&I | PLC, Metering, Server Panel Hardware Configuration & Component BOM | MAC | Per Station | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | PLC, Metering, Server Panel Power Distribution Schedule (230VAC, 24VDC) | Hatch | Per Station | Sched | | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| MC&I | PLC, Metering Panel Barrier Allocation Schedules | Hatch | Per Station | Sched | | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| MC&I | PLC, Metering, Comms, Server Panel Power Distribution Schematics (230VAC, 24VDC) | Hatch | Per Station | Dwg | | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| MC&I | PLC, Metering, Comms, Server Panel Wiring diagrams (incl IO Distribution, Barriers, Lights, Fans) | Hatch | Per Station | Dwg | | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| MC&I | HP & LP Routing Panel General Arrangements | Hatch | Per Station | Dwg | | | | | Update ⁽¹⁾ | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| MC&I | HP & LP Routing Panel Wiring Diagrams | Hatch | Per Station | Dwg | | | | | Update ⁽¹⁾ | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| MC&I | Station Field Engineering Designs: | | | | | | | | | | | | | |
| MC&I | Instrumentation Schedule | Hatch | Per Station | Sched | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| MC&I | Valve Schedule | Hatch | Per Station | Sched | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| MC&I | Instrument Field Junction Box Termination Schedule | Hatch | Per Station | Sched | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| MC&I | Instrument Cable Schedule | Hatch | Per Station | Sched | Update | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Instrument Cable Block Diagrams | Hatch | Per Station | Dwg | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| MC&I | Instrument and Valve Loop Diagrams | Hatch | Per Station | Dwg | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required |
| MC&I | Instrument Hookup Diagrams (only for instruments supplied) | Hatch | Per Station | Dwg | Update | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Instrument Data Sheets (only for instruments supplied) | Hatch | Per Station | Doc | Update | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| MC&I | Station Equipment Configuration Specification & Records | MAC | Per Station | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | Server, Client and Switches. Trip amplifier configuration records by Hatch/TPL |
| MC&I | Instrument Calibration Certificates (only for instruments supplied) | MAC | Per Station | Doc | | | Yes | Yes | | Yes | | Yes | Yes | |
| MC&I | Station Electrical Designs: | | | | | | | | | | | | | |
| Elec | Single Line Diagrams | Hatch | Per Station | Dwg | Update | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| Elec | Electrical Cable Schedule | Hatch | Per Station | Sched | Update | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| Elec | Electrical Cable Block Diagrams | Hatch | Per Station | Dwg | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| Elec | Electrical Earthing Diagrams | Hatch | Per Station | Dwg | Update | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| Elec | LV Panel General Arrangements | Hatch | Per Station | Dwg | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| Elec | LV Panel RL Hardware Configuration & Component BOM | MAC | Per Station | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Elec | LV Panel RL Power Distribution Schedule | Hatch | Per Station | Dwg | Yes | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| Elec | LV Panel RL Panel Power Distribution Schematics | Hatch | Per Station | Dwg | Yes | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| Elec | LV Panel RL Panel Wiring diagrams (incl IO Distribution) | Hatch | Per Station | Dwg | Yes | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| Elec | LV Panel Electrical Schematics | Hatch | Per Station | Dwg | Update | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | IO Detail to be updated on schematics |
| Elec | MV Panel General Arrangements | Hatch | Per Station | Dwg | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required, redlines updated |
| Elec | MV Panel RM General Arrangements | Hatch | Per Station | Dwg | Update ⁽¹⁾ | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | ⁽¹⁾ Site Verification required |
| Elec | MV Panel RM Hardware Configuration & Component BOM | MAC | Per Station | Sched | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| Elec | MV Panel RM Power Distribution Schedule | Hatch | Per Station | Dwg | Yes | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| Elec | MV Panel RM Panel Power Distribution Schematics | Hatch | Per Station | Dwg | Yes | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| Elec | MV Panel RM Panel Wiring diagrams (incl IO Distribution) | Hatch | Per Station | Dwg | Yes | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | |
| Elec | MV Panel Electrical Schematics | Hatch | Per Station | Dwg | Update | Yes | | RedLn | Yes | Yes | Yes | Yes | Yes | IO Detail to be updated on schematics |
| MC&I | System Maintenance & Support: | | | | | | | | | | | | | |
| MC&I | Instrument O&M Manuals | MAC | Per Station | Doc | | | | Yes | | Yes | | Yes | Yes | |
| MC&I | Auxiliary Equipment O&M Manuals | MAC | Per Station | Doc | | | | Yes | | Yes | | Yes | Yes | |
| MC&I | System Maintenance Manuals for PCS, PCS Replay, HMI Trainer, CMS, PLMS Systems | MAC | Per Station | Doc | | | | Yes | | Yes | | Yes | Yes | |
| MC&I | Maintenance and Commissioning Spares List | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | PCS Maintenance Procedures (OASyS, AES) | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |
| MC&I | HMI Trainer Changeover Procedure (OASyS - AES) | MAC | Global | Doc | | | Yes | Yes | Yes | Yes | Yes | Yes | Yes | |

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| | | | Category | DocType | Hatch > MAC | | MAC > Hatch | | Hatch > TPL (Project Execution) | | Hatch > TPL (Project As-Built) | | | Comment |
|------------|----------------------------------|------------|----------|---------|-------------|-----|-------------|-----|---------------------------------|-----|--------------------------------|-----|-----------|---------|
| Discipline | Deliverable Document Description | Originator | | | Native | PDF | Native | PDF | Native | PDF | Native | PDF | Hard Copy | |
| | | | | | | | | | | | | | | |