GUIDANCE PAGES TO BE DELETED WHEN PUBLISHED

ASDEFCON (SUPPORT)

SECTION 1: GUIDANCE FOR DSD-ENG-CM

(CONFIGURATION MANAGEMENT SERVICES)

Status: Optional (must be used if an ADF regulatory / assurance framework is applicable to the Contract)

Purpose: Refer to Description and Intended Use.

Policy: DEFLOGMAN Part 2 Volume 10 Chapter 4, *Configuration Management*

AAP 8000.011, Defence Aviation Safety Regulations (DASR)

Land Materiel Safety Manual (LMSM)

ANP3411-0101, Naval Materiel Assurance Publication

ANP3412-4004, Naval Materiel Configuration Management

Guidance: This DSD defines the Configuration Management (CM) Services requirements for the Products Being Supported. This DSD defines a system of CM to meet the Defence requirements, including ADF regulatory / assurance framework requirements, for managing Maritime, Land and Aerospace materiel (including Software) systems. If ADF regulatory / assurance framework requirements do not apply to the Products Being Supported, then this DSD is optional (although strongly recommended for complex equipment).

The draft CM clauses contained in this DSD are to be tailored to suit the required Services. The template aims to accommodate the broadest range of options.

Related Clauses/Documents:

DID-ENG-CMP, DID-ENG-CEMP, and DID-SSM-SSMP

DSD-ENG-SERV

Optional Clauses: None

# 5 Applicable Documents

Status: Core

Purpose: To identify authoritative documents applicable to the CM Services to be provided.

Policy: TBD

Guidance: Edit the list of applicable documents to suit the required CM Services. Drafters are not include references to Defence policy (unless the policy explicitly states its application by contractors) because these are open to interpretation within a contract and their applicability is often limited to Defence personnel.

Drafters should note that the references identified in this clause are only applicable to the extent specified in the DSD. Clause 6.2.1.3 pulls these applicable documents into the DSD, which may need to be modified if only a portion of the applicable documents are relevant to the required CM Services.

Related Clauses/Documents:

Draft SOW clause 5.4, Engineering Organisation and System Compliance

Optional Clauses: None

# 6.2.1 Configuration Management Planning

Status: Core

Purpose: To identify the planning requirements for CM.

Policy: DEFLOGMAN Part 2 Volume 10 Chapter 4, *Configuration Management*

Guidance: Different domains within Defence (eg, Land, Sea, Air, Joint) have promulgated CM policies and requirements for in-service management of design changes. The applicable documents should be cited in clause 5, as part of the planning and control requirement for CM Services.

If the scope of CM issues for the Contract is concise, then embedding the basic CM planning requirements into the CEMP or SSMP may be sufficient, and appropriate. Select from the optional clauses accordingly. Also select the applicable plan (CMP, CEMP, or SSMP) in the clauses that follow.

A third approach for smaller contracts (not drafted as an option) is to amend the clauses for the Contractor to follow a Defence-provided CMP, as provided by the SPO managing the Contract (and included in the DSD as an Applicable Document).

Related Clauses/Documents:

DID-ENG-CMP and DID-ENG-CEMP

Optional Clauses: None

# 6.2.2 Baseline Management

Status: Optional

Purpose: To identify the Baseline(s) that is/are to be maintained under the Contract.

Policy: DEFLOGMAN Part 2 Volume 10 Chapter 4, *Configuration Management*

Guidance: Management of the Configuration Baseline(s) should be addressed in the CMP or other the governing plan when rolled up into a higher level plan.

Functional and Product Baselines should have been developed in the Acquisition Phase and maintained during any preceding period in-service. It will be necessary for the Contractor, if providing this level of Engineering Support, to maintain them.

The inclusion of a system-safety certification basis, and associated baseline documentation (eg, for a safety case), should be consistent with the system-safety program described in DSD-ENG-SERV clause 6.2.7. Likewise (and using many of the same documents), if a Certification Basis / Type Certification Basis description (clause 6.2.3) is to be maintained by the Contractor, it should also be included.

Drafters should enter the applicable Baselines into the sub-paragraph list, noting that not only the Mission System but numerous Support System Components may require management of their Baselines and associated documentation.

Related Clauses/Documents:

DID-ENG-CMP and DID-ENG-CEMP

DID-SSM-IMSP regarding system-safety baseline documentation

DSD-ENG-SERV

Optional Clauses: None

# 6.2.3 Military Type Certification / Maritime Materiel Certification

Status: Optional

Purpose: **Aerospace.** To define the work requirements associated with maintaining Aircraft Military or Military Restricted Type Certification (as applicable), where that responsibility is to be passed to the Contractor.

**Maritime.** To define the work requirements associated with maintaining ship / submarine certification, where that responsibility is to be passed to the Contractor.

Policy: ANP3411-0101, Naval Materiel Assurance Publication

DASR 21 Subpart B, Military Type-Certificates and Military Restricted Type-Certificates

DASR 21 Subpart D, Changes to Military Type-Certificates and Military Restricted Type-Certificates

Defence Seaworthiness Management System Manual

Guidance: This clause only applies to aircraft or ship / submarine contracts, where the Contractor is to maintain certification for the Materiel System. Both aerospace and maritime regimes seek on-going assurance that Materiel Systems conform to an approved baseline (basis description), that ensure risks to safety are reduced So Far As Reasonable Practicable (SFARP), and compliance with environmental laws and regulations. Certification is achieved during acquisition; however, there is a need to maintain certification during through-life maintenance activities and configuration changes.

Note that the ADF regulatory / assurance frameworks (and organisations) for aerospace and maritime domains were evolving when this version of ASDEFCON (Support) was drafted. Drafters are to review current policy documents and seek advice from the relevant authority when considering this clause.

Drafters are to select the optional clause for the applicable environment, and further develop the clause as required.

While maintaining certification is an on-going assurance activity, certification-related work often occurs with modifications and at the completion of major servicing / docking activities. If the work is expected to be intermittent or difficult to quantify, then the optional clause for S&Q Services may also be included. In other cases, sustaining an on-going semi-independent certification team is warranted, and would be appropriate as a Recurring Service.

**Aerospace.** Drafters should refer to DASR 21 Subpart B for guidance. The Defence Aviation Safety Authority (DASA) should be consulted to establish on-going certification requirements.

**Maritime.** Drafters should refer to the ANP3411-0101, *Naval Materiel Assurance Publication*, and seek advice from the Navy Materiel Seaworthiness Assurance Agency (NMSwAA).

Related Clauses/Documents:

DID-ENG-CMP and DID-ENG-CEMP

Optional Clauses: None

# 6.2.4 Configuration Identification

Status: Optional

Purpose: To define the need for identifying CIs, including their functional and physical characteristics.

Policy: DEFLOGMAN Part 2 Volume 10 Chapter 4, *Configuration Management*

Guidance: The Product Baseline(s) should have been initially developed during the Acquisition Phase and maintained during any preceding in-service period.

Changes to the identified CIs, or their functional and physical characteristics because of a Major Change or Minor Change, should be captured as part of that process; and the applicable Product Baseline(s) updated. However, in the event that the requirement is not explicitly included within another contract document (eg, if Configuration Identification is omitted from the scope of an S&Q Service request), the first two clauses under clause 6.2.4 ensure that Configuration Identification continues under the Contract in order to maintain the Product Baseline(s).

Correct CM practices during acquisition and preceding support periods should mean that further Configuration Identification will only be required as part of a managed change program. However, if Configuration Identification data and Product Baseline(s) are known to be incomplete or inaccurate, then this may require corrective action to be undertaken by the Contractor and an optional clause is provided for this eventuality. However, as these inaccuracies are likely to be carried through from the acquisition or previous in-service periods, the Commonwealth should review options to correct the situation via warranties (for those other contracts) before including the optional clause. The Contractor will usually not be responsible for correcting the inaccuracies that can be corrected under warranty from another Contract.

If requiring the Contractor to undertake Configuration Identification as a one-off activity to correct extant omissions or inaccuracies, then optional clause 6.2.4.3 should be retained; otherwise, it should be deleted. If retained, the clause may be tailored as necessary, including the identification of an alternative completion date if OD is unrealistic.

Related Clauses/Documents:

Clause 6.2.2 Baseline Management

DID-ENG-CMP, DID-ENG-CEMP and DID-SSM-SSMP

DSD-ENG-SERV (or stand-alone DSD) for managing engineering changes.

There may also be a Systems Engineering Management Plan (SEMP) (eg, using DID-ENG-MGT-SEMP-2) and / or Software Management Plan (SWMP) (eg, using DID-ENG-SW-SWMP) to govern the Contractor’s engineering development activities for Major Changes to hardware and Software.

Optional Clauses: None

# 6.2.5 Configuration Control

Status: Core

Purpose: To identify the Configuration Control processes to be performed by the Contractor.

Policy: DEFLOGMAN Part 2 Volume 10 Chapter 4, *Configuration Management*

Guidance: Configuration Control aspects should be addressed in the CMP, or the plan detailing the CM requirements if rolled up into a higher-level plan.

Under the template, high-level clauses for the development of Major Changes are contained in DSD-ENG-SERV, while the development of SWCPs is covered under DSD-ENG-SW. Depending upon which DSDs are selected and how they are tailored, drafters will need to amend clause 6.2.5.2 accordingly.

Drafters should also consider whether or not the Contractor will be required to participate in Configuration Control Boards (CCBs) conducted by Defence, or vice-versa. If this participation is required, drafters should consider adding applicable clauses to this effect.

Finally, Configuration Control must be applied to any Deviations (variances) to the Baseline(s) for the Products Being Supported. In a broader sense, Deviations are managed as a Quality process required by the SOW (where a Deviation also applies to a non-standard process, not only product variances). Accordingly, this DSD refers to clause 11.4 of the SOW for the submission and management of Deviations.

Related Clauses/Documents:

Draft SOW clause 11.4, Non-Conforming Services

DID-ENG-CMP, DID-ENG-CEMP and DID-SSM-SSMP

DSD-ENG-SERV

There may also be a SEMP and / or a SWMP to govern the Contractor’s engineering development activities for Major Changes to hardware and Software.

Optional Clauses: None

# 6.2.6 Configuration Status Accounting

Status: Core

Purpose: To identify the Configuration Status Accounting (CSA) processes to be performed by the Contractor.

Policy: DEFLOGMAN Part 2 Volume 10 Chapter 4, *Configuration Management*

Guidance: Depending on the support strategy adopted, access to a Defence CSA system may be provided, or CSA data may be considered as a deliverable. Accordingly, a number of optional clauses are included to suit a range of possibilities.

Drafters should refer to and apply the standards defined in the relevant Service publication for the interchange of CM data.

Firstly, CSA aspects should be addressed in the CMP, or other plan detailing the CM requirements if these have been rolled up into a higher-level document. Drafters should insert the name of this governing plan into clause 6.2.6.1.

The CSA system options provided within the template are:

1. Option A: the Contractor will be provided with access to a Defence CSA system, either as exclusive or shared access;
2. Option B: the Contractor is required to have their own CSA system and provide CSA reports (CSARs) to Defence; and
3. Option C: the Contractor is to provide CM data, in an agreed exchange format, for incorporation into a CSA system managed by Defence or another contractor (ie, an Associated Party that maintains system-level CSA data for Defence while the Contractor supports subordinate Items and provides CSA data to the Associated Party).

Options that are not required may be deleted. Further guidance for tailoring each of these options is, as follows:

1. For Option A, drafters need to insert the name of the Defence CSA system into the clauses, which may be an existing system (eg, CMT-U) or CSA functions within the Defence ERP System, if the Defence ERP System and the applicable function is available at the commencement of the Services. If the applicable CSA functions of the Defence ERP System are still to be delivered, and work will initially be undertaken using a legacy system, a note to tenderers is to be included to advise tenderers of the expected change. There are also two sub-options whereby the Contractor will be given exclusive access (Option A-1) or shared access (Option A-2). For Option A-1, Attachment E (GFM) will need to be updated for the equipment provided. For Option A-2, the number and location of CSA system terminals will need to be inserted – this may be broken out into a subclause list for multiple locations. In some contracts, both options may be applicable (eg, the Contractor is provided with terminals at one location and shares access to terminals at another).
2. For Option B, no tailoring of the clause is necessary; however, drafters should review DID-CM-DATA-CSAR (sourced from *ASDEFCON (Strategic Materiel)* DID) for suitability and tailor the CDRL as appropriate. If this option is not required, then CDRL Line Number ENG-310 should be deleted (or replaced via Option C).
3. For Option C, data-exchange requirements need to be developed to enable transfer of Contractor CSA data to a Defence system or another contractor’s (ie, an Associated Party’s) CSA system. The drafter may be able to start development of the data exchange schema using DID-CM-DATA-XDATA (sourced from *ASDEFCON (Strategic Materiel)* DID) but will need to complete this task with the preferred tenderer / Contractor (including actual test of a data transfer). This DID should be tailored using an applicable standard or other reference, such as MIL-STD-2549, EIA-836B, DEF(AUST) 10814 *Land Materiel Data Exchange Standard*, ANP4422-6001 *Materiel Data Exchange Specification* or a ‘Contractor Information Exchange’ specification for the Defence ERP System (note that training materials for information exchange may be available from the ERP intranet website when these have been developed). If this option is not selected, then CDRL Line Number ENG-315 should be deleted. This Option includes a sub-option (Option C-1), for use if CSA data will be transferred to a legacy CSA system initially, before being replaced by a Defence ERP System function for CSA data.

Note that it is possible to combine Option B and Option C – for the Contractor to have a CSA system that the Commonwealth has visibility of, and to provide electronic updates for the Defence CSA. This can be achieved by selecting both options but deleting the delivery of the CSAR from Option B (ie, clause 6.2.6.7).

An optional clause is also included for when the Contractor is to incorporate, into its CSA system, CM data provided by a Defence agency or another Commonwealth-approved contractor. This may be applicable if the Contractor has system-level responsibilities for CM and Defence agencies (eg, projects/SPOs introducing or managing subordinate systems) or other contractors working on the system (ie, as Associated Parties) provide CM data for lower-level design changes. For this optional clause to be applicable, Option A (Contractor access to the Defence CSA system) would need to be selected for the preceding option. If Option B or C was selected and the Contractor will not be required to incorporate data from Defence or a third part, then drafters should delete the optional clause.

Note that to include the optional clause, to have a Contractor incorporate data from another contractor into the CSA system, requires that Option C in the preceding set of options (or equivalent) is included in the other contract to ensure that the other contractor provides the appropriate information.

Related Clauses/Documents:

Clause 6.2.3, Military Type Certification / Maritime Materiel Certification

Draft SOW clause 3.14.4, Information System Security

DID-ENG-CMP and DID-ENG-CEMP

DID-CM-DATA-CSAR, Configuration Status Accounting Report

DID-CM-DATA-XDATA, Contractor-Defence CM Data Exchange Schema

Optional Clauses: None

# 6.2.7 Configuration Audits

Status: Core

Purpose: To identify the Configuration Audit processes to be performed by the Contractor.

Policy: DEFLOGMAN Part 2 Volume 10 Chapter 4, *Configuration Management*

Guidance: Configuration Audit should be addressed in the CMP, or the plan detailing the CM requirements if these have been rolled up into a higher-level plan.

Related Clauses/Documents:

DID-ENG-CMP and DID-ENG-CEMP

DSD-ENG-SERV for Mandated System Reviews

Optional Clauses: None

Detailed Service Description

1. DSD NUMBER: -
2. TITLE: CONFIGURATION MANAGEMENT SERVICES
3. DESCRIPTION AND INTENDED USE

This DSD defines the requirements for Services and activities related to Configuration Management (CM) of the Products identified at Annex A to the SOW.

The Commonwealth uses this DSD to define the range and scope of work related to CM required under the Contract.

The Contractor uses this DSD to identify the work requirements and Commonwealth interfaces, related to CM, required under the Contract.

1. INTER-RELATIONSHIPS

This DSD forms part of the SOW.

This DSD must be applied in conjunction with the Engineering Services defined in the Engineering Support requirements of the SOW and the other associated DSDs.

1. APPLICABLE DOCUMENTS

The following documents form a part of this DSD to the extent specified herein:

Note to drafters: Edit the list of documents in the table below to suit the requirements of this DSD (ie, include the relevant references that are applicable to CM Services). Do not include reference to Defence policy (eg, DEFLOGMAN) unless the obligations for contractors are explicitly set out in the referenced policy; otherwise, these types of documents can be open to interpretation within a contract.

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| 1. AAP 8000.011 | 1. Defence Aviation Safety Regulations (DASR) |
| 1. ANP3411-0101 | 1. Naval Materiel Assurance Publication |
| 1. LMSM | 1. Land Materiel Safety Manual |

1. SERVICE DESCRIPTION
   1. Introduction
      1. Scope of DSD

Note to drafters: Amend the following clause to align with the scope of CM Services required under the Contract.

The Contractor shall provide CM Services (including Configuration Identification, Configuration Control, Configuration Status Accounting (CSA), and Configuration Audit functions) for the following types of Products listed in Annex A to the SOW for which the Contractor is annotated as having Engineering Responsibility:

Mission System(s);

Repairable Items;

Non-Repairable Items;

Software; and

Technical Data.

* 1. Services
     1. Configuration Management Planning

Note to drafters: If the drafter decides whether a stand-alone CMP is required or if the CM planning requirements will be rolled up into the CEMP or SSMP, then the preferred option below should be selected and the CDRL adjusted accordingly.

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| Option A: For when a stand-alone CMP is required:  The Contractor shall develop, deliver and update a Configuration Management Plan (CMP) in accordance with CDRL Line Number ENG-300.  Option B: For when the CM requirements are to be addressed through the CEMP or SSMP:  The Contractor shall address CM in the […INSERT 'CEMP' OR 'SSMP'…]. |

Note to drafters: Select the applicable plan in the clauses below to match the option selected above.

The Contractor shall conduct all CM activities for the Contract in accordance with the Approved […INSERT 'CMP', 'CEMP' OR 'SSMP'…] and the applicable documents listed in clause 5 of this DSD.

The Contractor shall ensure that all Subcontractors comply with the requirements of the Approved […INSERT 'CMP', 'CEMP' OR 'SSMP'…] and are integrated into the overall Contractor's CM activities.

The Contractor shall maintain a schedule of known CM activities, projecting work effort for a period of not less than one year in advance, or until the end of the Term where that period is less than one year.

The Contractor shall provide a copy of the Contractor’s CM schedule in the format requested and within five Working Days (or other timeframe agreed between both parties) of a request for a copy of this schedule from the Commonwealth Representative.

* + 1. Baseline Management

Note to drafters: If not required, mark this clause as ‘Not used’. If required, amend the list of Baselines to be maintained. This may include Product Baselines for several Products, such as a Combat System Product Baseline and a Simulator Product Baseline, and/or Product Baselines for individual variants of a Mission System (eg, ships within a class) or major Support System Components. If a particular Baseline is defined by a document (eg, a Mission System Functional Baseline defined by a specification), then it may be suitable to insert the document in the following clause, as shown for subclause a below.

The Contractor shall maintain and update the following Configuration Baselines:

[…INSERT NAME OF MISSION SYSTEM…] Functional Baseline, as defined by […INSERT REFERENCE TO THE RELEVANT DOCUMENT(S)…];

[…INSERT NAME OF MISSION SYSTEM…] Product Baseline; and

[…INSERT NAME OF OTHER BASELINES…].

* + 1. Military Type Certification / Maritime Materiel Certification

Note to drafters: If Military / Military Restricted Type Certification (for Aircraft) or Maritime Materiel Certification is not required, then mark this clause as ‘Not used’. If required, amend the 6.2.3 heading as required and select the optional clauses according to requirements.

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| Option A: Military / Military Restricted Type Certification of Aircraft (amend as required):  The Contractor shall provide Technical Data in support of the update and maintenance of the Product Baseline, the Type Certification Basis, Type Record, and the [… SELECT AS APPLICABLE: Military / Military Restricted …] Type-Certificate for […INSERT NAME OF MISSION SYSTEM…].  The Contractor shall participate in, and provide submissions to, the annual aircraft Airworthiness Board to address the engineering and Maintenance Services provided by the Contractor.  The Commonwealth will notify the Contractor, no less than 30 Working Days prior to the conduct of the annual aircraft Airworthiness Board, of the date for, and the requirements of, the Contractor’s submission to the annual aircraft Airworthiness Board.  The Contractor shall provide its submission referred to in clauses 6.2.3.2 and 6.2.3.3, to the Commonwealth Representative no later than 20 Working Days prior to the date of the annual aircraft Airworthiness Board, unless otherwise agreed by the Commonwealth Representative. |

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| Option B: Maritime Materiel Certification (amend as required):  The Contractor shall provide Technical Data in support of the update and maintenance of the Certification Basis and Approved concessions or Approved Deviations for […INSERT NAME OF MISSION SYSTEM…].  For the purposes of the periodic review and update of the Certification Basis, the Contractor shall provide the required information to the Commonwealth Representative on the engineering and Maintenance activities that the Contractor is performing, in accordance with ANP3411-0101, *Naval Materiel Assurance Publication*. |

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| Option: Include this option if Services under clause 6.2.3 will be provided as S&Q Services.  The Contractor shall provide certification-related Services, pursuant to this clause 6.2.3, as S&Q Services. |

* + 1. Configuration Identification

Subject to clause 6.2.4.2, the Contractor shall identify and document any changes required to the Product Baseline(s), including changes to the identified CIs or changes to the description of their physical and functional characteristics.

Where a change to a Product Baseline is required as an outcome of another Service that is provided as an S&Q Service (eg, the development of a Major Change), the change to the Product Baseline shall be included as part of that other Service.

Note to drafters: If Configuration Identification data is known to be incomplete or inaccurate and not suitable for the Contract in its current form, the following option allows for a one-off task to address this deficiency. If not required, clause 6.2.4.3 should be deleted. If it is unlikely that the task can be completed by OD, or another change is required, amend the clause as necessary.

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| Option: For when Configuration Identification data is not transferable from a previous contract (including a Contract (Acquisition)).  Before the Operative Date and in accordance with the Approved Phase In Plan, the Contractor shall:  identify all CIs that constitute the Products specified in clause 6.1.1.1; and  uniquely identify all documents that disclose the performance, functional and physical attributes of the Products specified in clause 6.1.1.1, so that the documents may be accurately associated with the Configuration Baselines specified in clause 6.2.2.1. |

* + 1. Configuration Control

Note to drafters: If the Contractor will be required to participate in Defence Configuration Control Boards (CCBs) (or vice-versa), drafters should consider adding applicable clauses to this effect.

The Contractor shall manage configuration changes and Deviations, including their:

physical and functional design characteristics;

request and documentation;

for configuration changes only, classification as Major Changes or Minor Changes;

evaluation and coordination; and

implementation and Verification of the changes.

Note to drafters: Amend the following clauses to identify the DSDs where the processes to be used for the development of ECPs and SWCPs are specified. Additionally, amend the following clauses if Baselines, other than the Product Baseline, are required to be managed by the Contractor (as specified under clause 6.2.2).

The Contractor shall develop and submit ECPs/SWCPs in accordance with […INSERT 'DSD-ENG-SERV' and 'DSD-ENG-SW', respectively,…] to implement changes to a Product Baseline.

The Contractor shall classify changes to a Product Baseline as either a Major Change or a Minor Change.

The Contractor shall submit all proposed Major Changes to a Product Baseline to the Commonwealth for Approval.

The Contractor shall submit all proposed Minor Changes to a Product Baseline to the Commonwealth Representative for review.

At the request of the Commonwealth Representative, the Contractor shall resubmit a proposed Minor Change to a Product Baseline as a proposed Major Change to the Product Baseline in accordance with clause 6.2.5.2.

The Contractor shall, for any proposed change to a Baseline, ensure that all Baselines are mutually consistent and compatible and in accordance with the requirements of […INSERT RELEVANT POLICY, EG, MSD LOGISTICS INSTRUCTION 07-1…].

Note to drafters: Amend the following clause if Major changes will be managed through a stand‑alone DSD or if DSD-ENG-SW is not used.

The Contractor shall implement all Approved Major Changes to a Baseline in accordance with this DSD, DSD-ENG-SERV and DSD-ENG-SW, as applicable to the change.

The Contractor shall submit an Application for a Deviation in accordance with clause 11.4 of the SOW, for any Services that will or are likely to result in a non-conformance with a Baseline.

The Contractor shall not perform the Service that would result in a non-conformance with a Baseline until the Deviation has been Approved by the Commonwealth Representative.

* + 1. Configuration Status Accounting

Note to drafters: Select the applicable plan in the clause below.

The Contractor shall use, in accordance with the Approved […INSERT 'CMP', 'CEMP' OR 'SSMP'…], a CSA system that correlates, stores, maintains and provides readily available views of all configuration information relating to the Products specified in clause 6.1.1.1 and their Baselines.

Note to drafters: Select an option based on whether the Contractor will have on-line access to a Defence CSA system (Option A), be required to have their own CSA system (Option B), or be required to exchange CSA data with Defence or an Associated Party (another contractor) (Option C). Further requirements when selecting each option are:

* Option A (access to a Defence CSA system): Select Option A-1 for exclusive use or Option A-2 for shared access to the CSA system. If the CSA function will be available within the Defence ERP System before OD, then the note to tenderers can be deleted and a reference to the Defence ERP System inserted. If the Defence ERP System is available via common hardware used for other functions, then both Options A-1 or A-2 can be deleted.
* Option B (Contractor to have a CSA system): Review and update the CDRL for the delivery of CSA Reports.
* Option C (Exchange of CSA system data): If chosen, DID-CM-DATA-XDATA will be required (as a schema) to specify data-exchange requirements. A schema may need to be developed with the Contractor or they may have an existing schema for data exchange with the Commonwealth. If CSA data will initially be transferred to a legacy CSA system, before transitioning to the Defence ERP System, a sub-option identifies the potential need to update the schema (eg, by developing DID-CM-DATA-XDATA).

Option B and Option C may be combined to remove the need for CSA Reports (clause 6.2.6.7). If Option B or C is not required, delete the applicable CDRL line entry.

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| Option A: For when the Contractor will be provided with on-line access to a Defence CSA system (eg, “CMT-U / TeamCentre” or “within the Defence ERP System”). Insert the system name where indicated.  Note to tenderers: The Defence Enterprise Resource Planning (ERP) System will replace existing Defence information systems over a number of years, with the initial tranche supporting CM for Land Materiel. References to the Defence CSA system below should be considered as references to the Defence ERP System, used to perform relevant functions.  Changes to the draft Contract, for the Defence ERP System (and updated policy references), will be included in negotiations for any resultant Contract. If the Defence ERP System performing the relevant functions has not been implemented by ED, then one or more CCPs will be required once the relevant functions in the Defence ERP System become available.  Refer to SOW clause 3.16 for training in the use of Defence information systems.  The Commonwealth shall provide the Contractor with on-line access to the Defence CSA system, […INSERT NAME OF SYSTEM…], for the purposes of undertaking clause 6.2.6.1 for this Contract.  Option A-1: For when the Contractor will be provided with hardware and Software for a Defence CSA system.  The Commonwealth shall provide the Contractor with terminals and/or interfaces and GFS, to support the use of […INSERT NAME OF SYSTEM…], as detailed in Attachment E.  Option A-2: For when the Contractor will share access to a Defence CSA system.  The Commonwealth shall provide the Contractor with access to […INSERT NUMBER…] of shared […INSERT NAME OF SYSTEM…] terminals at […INSERT LOCATION/TIME DETAILS…]. |

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| Option B: For when the Contractor will NOT be provided on-line access to a Defence CSA system and the Contractor will be required to implement a system with similar functionality.  The Contractor shall implement a CSA system to meet the requirements of clause 6.2.6.1.  The Contractor shall provide all facilities and assistance reasonably required by the Commonwealth in order for the Commonwealth to access the Contractor's CSA system for the Term.  The Contractor shall deliver CSA reports from the Contractor's CSA system in accordance with CDRL Line Number ENG-310. |

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| Option C: For when the Contractor is required to develop a schema in order to exchange data between its CSA system and a Defence (or Associated Party’s) CSA system.  Note to tenderers: If the preferred tenderer has an existing and suitable data-exchange schema, clause 6.2.6.8 will be considered for deletion during negotiations.  The Contractor shall develop, in consultation with the Commonwealth, a schema for the exchange of CSA data between the Contractor’s CSA system and the Defence CSA system (or an Associated Party nominated by the Commonwealth Representative), and with Subcontractors’ and other parties’ systems, as necessary to ensure that the delivered CSA data is both timely and accurate.  The Contractor shall deliver CSA system exchange data to the Commonwealth (or an Associated Party nominated by the Commonwealth Representative), in accordance with CDRL Line Number ENG-315. |

Note to drafters: If the Defence ERP System will replace an existing Defence CM system, at some time during the Contract, drafters may need to include the following option. If a revised schema will be developed under a different contract held by the Contractor (and then used for this contract), or if the CM functions within the Defence ERP System will be available before the commencement of CM Services (as an original schema), then this option is not required. The note and clause may be amended if more up-to-date information for ERP is available.

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| Option C-1: Include this option when the Defence ERP System will introduce CM functionality and supersede the use of a legacy Defence CSA system during the Contract.  Note to tenderers: The Defence Enterprise Resource Planning (ERP) System will replace existing Defence information systems over a number of years, with the initial tranche supporting CM for Land Materiel. Introduction of the Defence ERP System may affect the structure and formatting requirements for CSA exchange data and the associated transfer processes described in the Approved CMP.  If requested by the Commonwealth Representative, the Contractor shall develop, in consultation with the Commonwealth, a revised schema for the exchange of CSA data between the Contractor’s CSA system and the Defence ERP System, and with Subcontractors’ and other parties’ systems, as necessary to ensure that the delivered CSA data is both timely and accurate.  The Contractor shall undertake the development of the revised schema, as required by clause 6.2.6.10, as an S&Q Service. |

Note to drafters: The following optional clause requires the Contractor to incorporate CSA data provided from other contractors (not its Subcontractors) or Commonwealth agencies. This option is only feasible if Option A (above) is selected. If not required, delete the optional clause. Refer to guidance for additional information.

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| Option: For when the Contractor is to incorporate, into the CSA system, CM data that is provided to it by the Commonwealth and/or other contractors.  The Contractor shall incorporate, into the CSA system, updates to CM data provided to it by the Commonwealth and Commonwealth-approved third parties (eg, other contractors with responsibilities for subordinate components of the Products Being Supported). |

* + 1. Configuration Audits

Note to drafters: Select the applicable plan from the clauses below to match the option selected above. If DSD-ENG-SERV is modified, the cross-references to the System Review clauses may also need to be changed below.

The Contractor shall conduct an FCA, on each Product modified via a Major Change, in accordance with the Approved […INSERT 'CMP', 'CEMP' OR 'SSMP'…] and clause 6.2.11 of DSD-ENG-SERV when requested by the Commonwealth Representative.

The Contractor acknowledges that the objective of an FCA for a Product is to demonstrate that the Product’s actual performance complies with all elements of its specification.

The Contractor shall conduct a PCA, on each Product modified via a Major Change, in accordance with the Approved […INSERT 'CMP', 'CEMP' OR 'SSMP'…] and clause 6.2.11 of DSD-ENG-SERV when requested by the Commonwealth Representative.

The Contractor acknowledges that the objectives of a PCA for a Product are to:

confirm that the ‘as-built’ or ‘as-coded’ configuration is consistent with the configuration documentation;

confirm that the configuration documentation is complete and accurate; and

establish or Verify the Product Baseline for the Product.

The Contractor shall invite the Commonwealth to witness all System Audits, Process Audits (process Verification), FCAs, and PCAs.

Unless otherwise advised in writing by the Commonwealth Representative, the Commonwealth Representative, or appointed representative(s), shall witness Configuration Audits.

Unless the Commonwealth Representative has advised that it will not witness a Configuration Audit in accordance with this clause 6.2.7, the Contractor shall not conduct that Configuration Audit in the absence of Commonwealth witnesses.

The Commonwealth Representative may require the Contractor to conduct an FCA or PCA independently of a Major Change and, in such circumstances, the Commonwealth Representative will advise the Contractor of:

the Configuration Audit type(s);

the scope and objectives of the Configuration Audit (eg, the specific Product to be audited);

the reporting requirements, including report format;

any deliverables in addition to the reporting requirements; and

any other requirements applicable to the type of Configuration Audit.

The Contractor shall conduct Configuration Audits, which are undertaken in accordance with this clause 6.2.7, as S&Q Services.