DATA ITEM DESCRIPTION

1. DID NUMBER: DID-PM-AIC-DRAICP-V5.3
2. TITLE: DEFENCE-REQUIRED AUSTRALIAN INDUSTRial CAPABILITY PLAN
3. DESCRIPTION and intended use

The Defence-Required Australian Industrial Capability (DRAIC) Plan (DRAICP) describes the Contractor's strategy, plans, methodologies and processes for defining, developing, implementing and sustaining new DRAICs or significant enhancements to existing Industrial Capabilities to produce the DRAICs required by the Contract and, where applicable, the Contract (Support). The DRAICs are essential for meeting the AIC Objectives for the Contract. The DRAICP also provides the plans for the individual DRAIC Elements that comprise each DRAIC, such as infrastructure, personnel, equipment, Information and Communications Technology (ICT), Technical Data (TD), and processes and procedures.

Notes:

1. The Contract will specify that either the DRAICs (as a complete Industrial Capability) or a subset thereof (ie, particular DRAIC Elements) are subject to Acceptance.
2. The Contract will specify that individual DRAICs are required to progress through a process of assurance, which may or may not include Acceptance Verification and Validation (AV&V). The term ‘assurance’, when used in this DID, is intended to embrace all such concepts to the extent set out in the Contract.
3. Where multiple DRAICs are being acquired under the Contract, the CDRL may specify that a separate DRAICP is required for each of the DRAICs.
4. Except where explicitly identified otherwise in this DID, all references to ‘Subcontractors’ includes AIC Subcontractors and any other Subcontractors involved in the development, implementation, operation, and/or sustainment of a DRAIC, including the Australian Entity that may be the recipient of a DRAIC, where this is not the Contractor or an AIC Subcontractor.

The Contractor uses the DRAICP to:

describe the Contractor’s and, where applicable, Subcontractors’ plans for each DRAIC and the associated DRAIC Elements, showing how the DRAIC Elements will be defined, developed or procured (as applicable), delivered, integrated together, and assured, to meet the timeframes set out in the Approved Contract Master Schedule (CMS), to produce either:

a fully operational and supported DRAIC; or

a set of DRAIC Elements that will evolve into a fully operational and supported DRAIC under the Contract (Support),

(‘**Required DRAIC Outcome**’);

ensure that those parties, including Subcontractors, who are undertaking activities in relation to a DRAIC and/or particular DRAIC Elements understand their responsibilities, the processes to be used, and the time-frames involved; and

provide assurance to the Commonwealth that the DRAICs (once integrated) will satisfy their respective requirements and will be fit for the purpose(s) provided for in the Contract, including for sustainment-related DRAICs that they properly integrate with the evolving design, development, implementation and Verification and Validation (V&V) of the Support System.

The Commonwealth uses the DRAICP to:

understand and evaluate the Contractor’s plan for achieving the Required DRAIC Outcomes, including in relation to identifying, defining and producing the required DRAIC Elements;

identify and understand the Commonwealth’s involvement in the Contractor’s DRAIC-related development program, including monitoring the Contractor’s program and engaging at key decision points; and

as an input into the Commonwealth’s own planning.

1. INTER-RELATIONSHIPS

The DRAICP is subordinate to the Australian Industry Capability Plan (AICP).

The DRAICP inter-relates with the following data items, where these data items are required under the Contract:

Supply Chain Management Plan (SCMP);

Research and Development Management Plan (R&DMP);

Contract Work Breakdown Structure (CWBS);

Contract Master Schedule (CMS);

Australia and New Zealand (ANZ) Subcontractor Technical Data List (ASTDL);

Contract Status Report (CSR);

for DRAICs that will form part of the Support System:

Support System Specification (SSSPEC);

Support System Description (SSDESC);

Support System Technical Data List (SSTDL); and

all data items associated with the design, development, implementation and V&V of the Support System; and

for DRAICs or DRAIC Elements that will undergo AV&V:

Acceptance Test Plans (ATPs);

Acceptance Test Procedures (ATProcs); and

Acceptance Test Reports (ATRs).

1. Applicable Documents

The following document forms a part of this DID to the extent specified herein:

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| --- | --- |
| 1. Nil. |  |

1. Preparation Instructions
   1. Generic Format and Content

The DRAICP shall comply with the general format, content and preparation instructions contained in the CDRL clause entitled ‘General Requirements for Data Items’.

When the Contract has specified delivery of another data item that contains aspects of the required information, the DRAICP should summarise these aspects and refer to the other data item.

Where multiple DRAICs are being acquired under the Contract and except where otherwise required by the CDRL, the DRAICP shall be structured into separate sections for each DRAIC.

The data item shall include a traceability matrix that defines how each specific content requirement, as contained in this DID, is addressed by sections within the data item.

The DRAICP is expected to progressively evolve and be updated over time, commensurate with the maturity of the designs for each DRAIC. Where information to satisfy a specific requirement in this DID is unavailable at the time of submitting a version of the DRAICP, the DRAICP shall explicitly identify:

the information that is unavailable; and

the precondition or timeframe when the information is expected to become available.

* 1. Specific Content
     1. DRAIC Implementation Organisation and Management

The DRAICP shall describe, for both the Contractor and any Subcontractors involved in the provision of a DRAIC:

the organisational arrangements and management structures responsible for managing and performing the Contractor’s and AIC Subcontractors’ activities in relation to achieving the Required DRAIC Outcomes; and

the flow of authority and responsibility for performance of the activities in relation to the different DRAIC Elements (eg, infrastructure-related, procurement of equipment, installation of equipment, personnel recruitment and training, ICT system implementation, process and TD development, assurance and, if applicable, certification of individual DRAIC Elements).

* + 1. DRAIC Operating and Support Concepts, Architecture and Requirements

For each DRAIC, the DRAICP shall set out the operating and support concepts in sufficient detail to:

enable the scope of the DRAIC to be understood, including its purpose, functionality, performance requirements (both steady state and under stressful conditions), system boundaries, external interfaces, and any limitations or constraints on, or growth opportunities with respect to, its scope and/or operations; and

enable the requirements for, and architecture of, the DRAIC to be properly derived, as required by clauses 6.2.2.2 and 6.2.2.3, in the context of the operating and support concepts.

The DRAICP shall set out the architecture of each DRAIC, identifying and describing:

the nature and scope of the DRAIC Elements that comprise the DRAIC, including identifying:

those DRAIC Elements that exist;

the new and/or modified DRAIC Elements that need to be developed; and

for sustainment-related DRAICs, the DRAIC Elements that will be provided under the Contract and, where applicable, those that will be deferred until the Contract (Support);

the relationships between these DRAIC Elements; and

any relationships between the DRAIC Elements and external elements outside of the DRAIC boundary.

The DRAICP shall identify the requirements that each DRAIC must satisfy, as derived from the requirements of the Contract (and, where applicable, the Contract (Support)) and the concepts and architecture developed under clauses 6.2.2.1 and 6.2.2.2, respectively, particularly the requirements for any new or modified infrastructure elements and/or any new or modified items of equipment, including both functional requirements and non-functional requirements (safety, security, supportability, etc).

* + 1. DRAIC Implementation Flow Diagram

For each DRAIC, the DRAICP shall include an overall flow diagram of the Contractor’s and, where applicable, Subcontractors’ activities in relation to achieving the Required DRAIC Outcomes. This flow shall be sequentially arranged to include:

all significant DRAIC and DRAIC Element milestones and efforts, including the flow and staging of the different DRAIC Elements;

the integration of the various DRAIC Elements to produce working DRAICs;

the associated assurance (including V&V) and, if applicable, certification activities; and

any additional information that clarifies the description of the DRAIC implementation program.

The flow diagram shall reflect predicted dates for significant milestones, as set out in the Approved CMS.

* + 1. General Requirements for Realising DRAICs

The DRAICP shall provide an overview of the Contractor’s program of work for defining, developing, implementing and, where required, achieving Acceptance of each DRAIC, including:

the Contractor’s methodology and plans for identifying, acquiring, installing (if required), testing, obtaining the required certifications and accreditations for, and subsequently supporting each of the individual DRAIC Elements required for a DRAIC;

the major activities to be undertaken, when, and by whom;

the DRAIC work to be undertaken by AIC Subcontractors, including how Subcontractor activities and products will be integrated into the overall DRAIC program effort in terms of work activities and end products, which may include, for example:

a DRAIC, or part thereof, being established in an Australian Entity by an overseas AIC Subcontractor; or

where a DRAIC is to be established in a Subcontractor’s premises, the division of responsibilities between the Contractor and the Subcontractor, including identifying any assistance to be provided by the Contractor to the Subcontractor to ensure the successful implementation and subsequent operation of the DRAIC;

the personnel (including categories, numbers and associated skills/competencies) required by the Contractor and AIC Subcontractors to manage and conduct the program of work to define, design, develop and implement each DRAIC, including the staff/skills profile for these personnel;

the interfaces between the DRAIC program of work and the Contractor’s activities in relation to defining, designing, developing, implementing, and conducting V&V on the Mission System and/or Support System;

any assumptions, constraints and/or risks associated with the plans for the development and delivery of the Required DRAIC Outcome for each DRAIC, including, for any identified risks, the proposed risk mitigations; and

any expected activities to be performed by the Commonwealth (eg, collaborating during the design, development and implementation of a DRAIC to ensure that the DRAIC will meet the Commonwealth’s needs and requirements, provision of Government Furnished Material (GFM) and/or Government Furnished Facilities (GFF), and witnessing key events in the progression of a DRAIC).

The DRAICP shall include the Contractor's development and implementation schedule for each DRAIC, describing how the schedule supports the achievement of the milestones identified in the Approved CMS.

* + 1. DRAIC Infrastructure

The DRAICP shall identify and justify the likely infrastructure required for each DRAIC, including in relation to facilities, fixed plant, utilities, and any other key requirements (eg, physical security and cyber security).

The DRAICP shall describe the Contractor’s methodology and plans for defining, acquiring, fitting out, obtaining the required certifications and accreditations for, and subsequently supporting the DRAIC infrastructure.

The DRAICP shall identify any GFF or other facilities to be provided by the Commonwealth required for the DRAIC, identifying:

the relationships between the timeframes for the provision of the GFF or other facilities and the Contractor’s and/or Subcontractors’ activities to produce the Required DRAIC Outcomes; and

the functional and performance requirements that the GFF or other facilities must satisfy for the purposes of the DRAIC (including justification), but excluding any construction-related requirements, such as compliance with building regulations and standards.

* + 1. DRAIC Personnel

The DRAICP shall identify and justify the envisaged workforce required to operate and support the DRAIC, including:

the estimated personnel numbers, including skills and experience; and

the proposed organisational structure.

The DRAICP shall identify the likely sources of the required personnel and describe the Contractor’s plans for identifying, recruiting, transferring, and/or training (as applicable) the personnel required to operate and support the DRAIC. For clarity, this requirement excludes the personnel associated with implementing the DRAIC, except where these personnel will transition across to operate or support the DRAIC.

The DRAICP shall identify any Commonwealth personnel, including Members Required in Uniform (MRU) under any linked Contract (Support), which are required under the Contract or the Contract (Support) to participate in, or form part of, the DRAIC.

* + 1. DRAIC Equipment

The DRAICP shall identify any items of DRAIC equipment that:

are critical for achieving the requirements for the DRAIC, particularly the milestone dates identified in the Approved CMS;

are likely to have an impact on the design of the facilities or infrastructure:

due to (for example) size, space / access requirements, vibration, Maintenance, heating / cooling, Electromagnetic Environmental Effects (E3), power and other utilities, and so on; and

if there is likely to be an impact on the design, a brief description of the impact;

will be provided as Government Furnished Equipment (GFE) or, if not identified in Attachment E, the Contractor requests be provided as GFE, including rationale;

involve special handling, transportation or storage requirements, and provide an overview of these requirements; and/or

involve specialised operating and/or support requirements, and provide an overview of these requirements.

The DRAICP shall provide an overview of any installation requirements for DRAIC equipment.

For any item of DRAIC equipment that will be owned by the Commonwealth, the DRAICP shall identify how and when the necessary information (eg, Codification Data) will be provided to the Commonwealth to enable these items to be brought to account prior to usage.

* + 1. DRAIC Management Systems and Information Systems

The DRAICP shall identify and justify the envisaged management systems and information systems required for a fully operational and supported DRAIC, including:

any site-specific Quality Management System (QMS) Certified to AS/NZS ISO 9001:2015 “Quality Management Systems – Requirements, as may be required under the Quality Management clause of the SOW and, where applicable, the SOW for the Contract (Support);

a Work Health and Safety Management System (WHSMS), as may be required under the Health, Safety and Environment (HSE) clause of the SOW and, where applicable, the SOW for the Contract (Support);

an Environmental Management System (ENVMS), as may be required under the HSE clause of the SOW and, where applicable, the SOW for the Contract (Support);

enterprise resource planning system(s), production managements system(s) and configuration management systems; and

other required information systems (eg, for financial management and personnel management) or access to Defence information systems.

* + 1. DRAIC Processes, Procedures and TD

The DRAICP shall describe the Contractor’s methodology for identifying, defining and documenting the processes required to operate and support the DRAIC.

Where new or modified procedures are required, the DRAICP shall identify the nature and scope of these procedures and detail how these procedural requirements will be achieved in the timeframes required.

The DRAICP shall identify the TD required to operate and support the DRAIC, cross-referring to the applicable list in the MTDI, as appropriate.

The DRAICP shall identify any TD to be provided as GFM or, if not identified in Attachment E, the Contractor requests be provided as GFM, including rationale for any additional items, including where the Contractor may be seeking the TD as Government Furnished Data (GFD).

* + 1. DRAIC Assurance

The DRAICP shall describe the proposed process of assurance to be undertaken by the Contractor to confirm that each DRAIC (or set of DRAIC Elements for any sustainment-related DRAICs that will not be fully implemented under the Contract) meets requirements, is safe and is fit for purpose, including:

the nature and types of assurance activities to be undertaken, including identifying:

any assurance and/or V&V activities defined by the Contract;

scenarios of use based on individual activities or sequences of activities associated with the various states and/or modes of operation of the DRAIC to confirm that the DRAIC is safe and suitable to perform its intended roles;

scenarios that confirm that the DRAIC (or set of DRAIC Elements) is both supported and supportable; and

where AV&V is required for a DRAIC (or for particular DRAIC Elements), identification of the documentation to be produced to support each phase of AV&V;

the envisaged flow of assurance activities, through assurance for the different types of DRAIC Elements, leading to, where applicable, assurance activities for the entire DRAIC;

the structuring of the flow of assurance activities into phases;

all significant milestones and efforts associated with each assurance phase;

the contractor or group responsible for each assurance phase;

the resources and technical and logistic support required for each assurance phase;

the role of the Commonwealth during the assurance activities, including those roles required by the Contract and any roles envisaged by the Contractor, particularly for those DRAICs or DRAIC Elements that are subject to Acceptance; and

any additional information that clarifies the description of the DRAIC assurance program, including any requirements associated with the DRAIC Readiness Review if such an MSR is required under the Contract.

If an SRP is not required under the Contract, the DRAICP shall define entry criteria, exit criteria and checklist items for the DRAIC Readiness Review, incorporating the requirements from MSR-CHECKLIST-DRAICRR if this MSR Checklist is required under the Contract.

* + 1. DRAIC Sustainment

This clause 6.2.11 only applies to those DRAICs that will be fully implemented and Accepted under the Contract.

The DRAICP shall describe the methodology and resources that the Contractor (and/or applicable AIC Subcontractor) will use to sustain each DRAIC to ensure that it will be operational when required, including, where applicable, sustaining the DRAIC during a period of low production activity or pending transition to a Contract (Support).

In describing the methodology and resources to sustain each DRAIC, the DRAICP shall summarise, as applicable:

the infrastructure, facilities, ICT and other significant equipment required for the DRAIC, and the maintenance, preservation, storage and other processes required to sustain those items;

the plan of activities required to ensure that equipment, Technical Data and Software is updated, when required, to align with the configuration of the Materiel System; and

the measures taken to ensure the continuity of skilled personnel to operate and support the DRAIC.