



DATA ITEM DESCRIPTION - DESCRIPTION DE DONNÉES

1. TITLE – TITRE

MISSION CRITICALITY ANALYSIS & ASSET VALUATION REPORT (MCAAV)

2. IDENTIFICATION NUMBER - NUMÉRO D'IDENTIFICATION

DID 3.10.3

3. DESCRIPTION / PURPOSE – DESCRIPTION / OBJET

The purpose of the Mission Criticality Analysis and Asset Valuation (MCAAV) is to identify the critical mission capabilities related to the weapon system, the functions and their related systems, and prioritization of their security needs. This is done by identification of the cyber dependencies between each of those elements and by prediction of the mission impacts caused by losses of confidentiality, integrity and availability of the supporting functions.

**4. APPROVAL DATE
DATE
D'APPROBATION**

TBD

**5. OFFICE OF PRIMARY INTEREST (OPI)
BUREAU DE PREMIERE RESPONSABILITÉ
(BPR)**

NWSO Technical Authority (TA)

**6. GIDEP APPLICABLE
D'ÉCHANGE DE DONNÉES
PERTINENT**

N/A

7. APPLICATION / INTERRELATIONSHIP – APPLICATION / INTERDÉPENDANCE

CDRL 3.10.3 and SOW paragraph 3.10.1.2 refer. This document covers the mission criticality analysis and asset validation report. The MCAAV is to be completed according to SOW 3.10.1.2 and 3.10.1.3.
This DID contains the format and content preparation instructions for the data generated under the Work tasks described in the NWS O&M SOW.

8. ORIGINATOR - AUTEUR

NWSO TA

9. APPLICABLE FORMS - FORMULES PERTINENTES

NIL

10. PREPARATION INSTRUCTIONS – INSTRUCTIONS SUR LA PRÉSENTATION DES DONNÉES

10.1 Source Document

10.1.1 NWS O&M SOW Section 3, paragraph 3.10.3

10.1.2 Risk-based Cyber Mission Assurance Process

10.2 Content and Format

10.2.1 The Mission Criticality Analysis and Asset Valuation must be prepared in the Contractor's format.

10.2.2 An initial MCAAV Microsoft Excel tool will be provided by Canada to assist with the development of the MCAAV report. See Mission Criticality Analysis and Asset Tool.

10.2.3 The Mission Criticality Analysis and Asset Valuation must document the following using the guidelines in RCMAP or alternative standard acceptable to Canada:

- Identification of all supported mission objectives;
- Identification of all the capabilities/tasks involved in the execution of the missions objectives;
- Identification of mission dependencies on capabilities/tasks by criticality level to complete the Mission Dependencies Identification activity;
- Identification of all system domains and types with a description of their associated functions, and effects resulting from the loss of function in terms of Confidentiality, Integrity and Availability (CIA);
- Identification of operational resilience factors (features of the operational environment) or assumptions to be used to determine the Mission Capability Impacts;
- Identification of capability/tasks impact by severity level for each function loss;
- Identification of the Mission Impacts to complete the Mission Impact Analysis activity;

- h. A description of the severity levels used in determining the Mission Impact and their equivalence/relationship with the external criticality levels if not identical (e.g. loss of data feed to partner);
- i. Definition of Mission Criticality statements by loss of function types (CIA) for each of the system domain and system type. The Mission Criticality statement must indicate if the severity level is attributable to Mission Objective Impact or to External Impact. The Mission Criticality Statements use inputs from the Mission Impact Analysis; and
- j. Signature block of the Operational Authority or his/her designated representative. Signature block of the Technical Authority or his/her designated representative. Signature block of the Security Authority or his/her designated representative.

10.2.4 Security categorization of the MCAAV deliverable must be performed upon creation of the document, as the MCAAV or certain portions could be Protected and/or Classified. Security labelling and marking, as well as handling, storage and transmission of the MCAAV must be implemented in accordance with National Defence Security Orders and Directives. In addition to the Security Marking, which is placed in the header and footer of each page, a set of informative statements will be printed on the cover, or first page, of the document and in some cases also on the Verso Page (the back-side of the Title Page or Cover Page) as required. Sections of the document that are classified may identify the classification level of each numbered item (i.e. headings, paragraphs) by placing (U), (C), (S) or (TS) before the text.

10.2.5 The Contractor will be responsible for conducting change management as described below:

- a. The Mission Criticality Analysis and Asset Valuation must include a change history summary section which contains the following:
 - i. A clear and unique version/revision identifier for each submission or resubmission of the Mission Criticality Analysis and Asset Valuation report;
 - ii. Clear identification of revisions or amendments within the document from its previous submission; and
 - iii. Rationale for the revisions and amendments.
- b. All the above revisions/amendments must be clearly identified within the document by using suitable change tracking feature in the Office Management Software used to produce the document, e.g. "Track Changes" feature in Microsoft-Word®, side bars etc.