

CV-7 Capability to Services Mapping

Description

The CV-7 describes the mapping between the capabilities required and the services that enable those capabilities.

It is important to ensure that the services match the required capability. The CV-7 provides a bridge between capability analyzed using CVs and services analyzed using SvcVs. Specifically, it identifies how services can be performed using various available capability elements. It is similar in function to the SV-5a which maps system functions to operational activities. The capability to service mappings may include both situations where a service fully satisfies the desired capability and those where the service only partially meets the capability requirement.

The intended usage of the CV-7 includes:

- Tracing capability requirements to services.
- Capability audit.

Implementation

CV-7 can be represented using a CV-7 diagram which is an editable Dependency Matrix. Service Interfaces are used as row elements and Capabilities are used as column elements.

	Assistance	Land SAR	Maritime SAR	Recovery	SAR	Search	UK SAR Capability	Inform	Military C2	SAR C2
SvcV-1										
Ambulance Service										
Channel Navigation Information Service										
Emergency Towing Cover Service										
Fire and Rescue Service										
Land Search & Rescue Service										
Maritime Search & Rescue Service										
Mountain Rescue Team Service										
Police Service										
Search & Rescue Service										
UK Radio Medical Advice Service										
UK Radio Weather Forecast Information Service										

This model is analogous to the SV-5a Operational Activity to System Function Traceability Matrix – but provides the interface between Capability and Service Models rather than Operational to System Models.

Related Pages:

- [Creating CV-7 matrix](#)
- [Service Access](#)
- [Capability Of Performer](#)
- [Activity Part Of Capability](#)
- [Capability](#)