# Projects Traceability

**Description**

The Projects Traceability (Pj-Tr) domain shows the traceability between capabilities and projects that deliver them.The Projects Traceability (Pj-Tr) domain supports the acquisition and deployment processes, including the management of dependencies between projects and the integration of all relevant project and program elements to achieve a capability.

Programs, projects, portfolios, or initiatives are mapped to the capability for a particular timeframe. Programs, projects, portfolios, or initiatives may contribute to multiple capabilities and may mature across time. The analysis can be used to identify capability redundancies and shortfalls, highlight phasing issues, expose organizational or system interoperability problems, and support program decisions, such as when to phase out a legacy system.

The intended usage of the Projects Traceability (Pj-Tr) domain includes:

- Tracing capability requirements to projects.
- Capability audit.

**Implementation**

The Projects Traceability (Pj-Tr) domain is represented by:

- Actual Projects to Capabilities Mapping matrix which is a non-editable Dependency Matrix. Capabilities are used as row elements and Actual Projects are used as column elements.
- Actual Organizational Resources to Actual Projects Mapping matrix.
- Project Activities to Capabilities Mapping matrix.

**Samples**



An example of the Actual Projects to Capabilities Mapping matrix

# Legend

↗ Responsible For

| Actual Resources Structure [Model::Actual Resources] | Projects Taxonomy [Model::Projects] | SAR AutomationProject : Development | SAR Manual Project 1 : Development | SAR Manual Project 2 : Development |
|---|---|---|---|---|
|  |  | 1 | 1 | 1 |
| Betty Boss : SAR Commander |  |  |  |  |
| Boat Crew : Voluntary Organization |  |  |  |  |
| Cindy Soa : Soa Operator |  |  |  |  |
| Coast Guard : SAR Government Department |  |  |  |  |
| Department Of Defense : Government Department |  |  |  |  |
| Department of Transport : Government Department | 3 | ↗ | ↗ | ↗ |
| Len Lifeguard : Qualified Lifeboat Driver |  |  |  |  |
| Lifeboat Driver : MRT Boat Driver |  |  |  |  |
| Maritime & Coast Guard Agency : SAR Government Department |  |  |  |  |
| Peter Pilot : Qualified Helo Pilot |  |  |  |  |
| Ron Radio : Marine Radio Operator |  |  |  |  |

An example of the Actual Organizational Resources to Actual Projects Mapping matrix

| Projects Processes [Model::Projects] | Strategic Taxonomy [M | Assistance | Distress Signal Monitori | Inform | Land SAR | Maritime SAR phase 1 | Military C2 | Recovery | SAR | SAR C2 | Search |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ProjectActivity1 |  |  |  |  |  |  |  |  |  |  |  |
| SAR Automation Concept Development |  |  |  |  |  |  |  |  |  |  |  |
| SAR Automation Deployment |  |  |  |  |  |  |  |  |  |  |  |
| SAR Automation Maintenance |  |  |  |  |  |  |  |  |  |  |  |
| SAR Automation Operations |  |  |  |  |  |  |  |  |  |  |  |
| SAR Automation Requirements Capture |  |  |  |  |  |  |  |  |  |  |  |
| SAR Automation Retirement |  |  |  |  |  |  |  |  |  |  |  |
| SAR Automation Sea Trails |  |  |  |  |  |  |  |  |  |  |  |
| SAR Automation System Development |  |  |  |  |  |  |  |  |  |  |  |
| SAR Automation System Test |  |  |  |  |  |  |  |  |  |  |  |
| SAR Automation Training |  |  |  |  |  |  |  |  |  |  |  |
| SAR Lifecycle Project |  |  |  |  |  |  |  |  |  |  |  |

An example of the Project Activities to Capabilities Mapping matrix

**Related elements**

- Actual Project
- Actual Project Milestone
- Actual Resource
- Capability
- Capability Configuration
- Capable Element
- Resource Architecture
- Resource Performer

**Related procedures**

Unknown macro: 'list-children'