

Integrated Product Support DEFENSE INTEREST GROUP (IPS DIG)

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Summary of DIG charts to IPS Council

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Goal and Introduction

- **Goal**

Provide an update on the IPS DIG's activities as they relate to the Problem statements that we have been working on and the overall process flow

- **Introduction to the main topic**

IPS DIG and problem statements are introduced. Structure of each problem statement includes

- A problem statement summary
- Issues identified,
- Development/Prerequisites Discussion
- Integration Points
- Primary Stakeholders
- Risks, & Recommendations

The following information is available on the IPS DIG part of the ASD portal

- A separate Word document per problem statement
- An overview of all problem statements in a powerpoint presentation including a view on how the maturation process should take place and the workflow IPS DIG envisions
- A summary of the overview specifically made for the IPS Council meeting of today

Problem statements - 1

- **Solidified Specifications**

Varying maturity levels exist across S-Series standards.

Harmonization and maturation are needed. A consolidated, logical, and stable basis for requirements development is required. Specifications should be consolidated, consistent, and mature. Rationalized common data model, tailorable structure, universal business rules, and governance engagement are necessary.

- **No Standardized Data Elements**

No standardized data element list with business rules exists.

Multiple definitions of the same data element exist. The data model is complex, based on XML Schema from UML. Contractual documentation and business rules are integration points. Recommendations include developing a comprehensive data dictionary and efficient method to update the data element list.

- **Single Unified Data Model**

Multiple data constructs exist across S-Series specifications.

A single unified data model is needed. The current common data model covers elements of multiple specifications but lacks completeness. Data exchange between different models is necessary. Recommendations include prioritizing integration starting with S3000L and allowing particularization for unique requirements.

Problem statements - 2

- **Contractibility / Documentation**

Governments lack the ability to consistently contract for the S-Series.

Implementation requires developing requirements within a contract. S-Series document suite needs CDRL, DID, and tailoring guidance. Integration points include rationalization with other specifications and alignment with national contracting requirements. Recommendations include developing templates and tailoring guidance.

- **Contractibility – Business Rules**

Each S-Series specification needs business rules for successful contracting.

Data requirements must be defined within government contracting context. Business rules play a fundamental role in tailoring contractual data requirements. Recommendations include engaging governments with steering committees and forming teams to develop business rules.

- **Contractibility – Training**

There is a lack of training on implementing S-Series specifications.

Implementation requires personnel with specific training. Lack of approved training limits adoption. Recommendations include completing specifications, clarifying certified trainer requirements, expediting training package availability, and developing guidance for training needs analysis.

Problem statements - 3

- **S-Series Capable Software Toolsets**

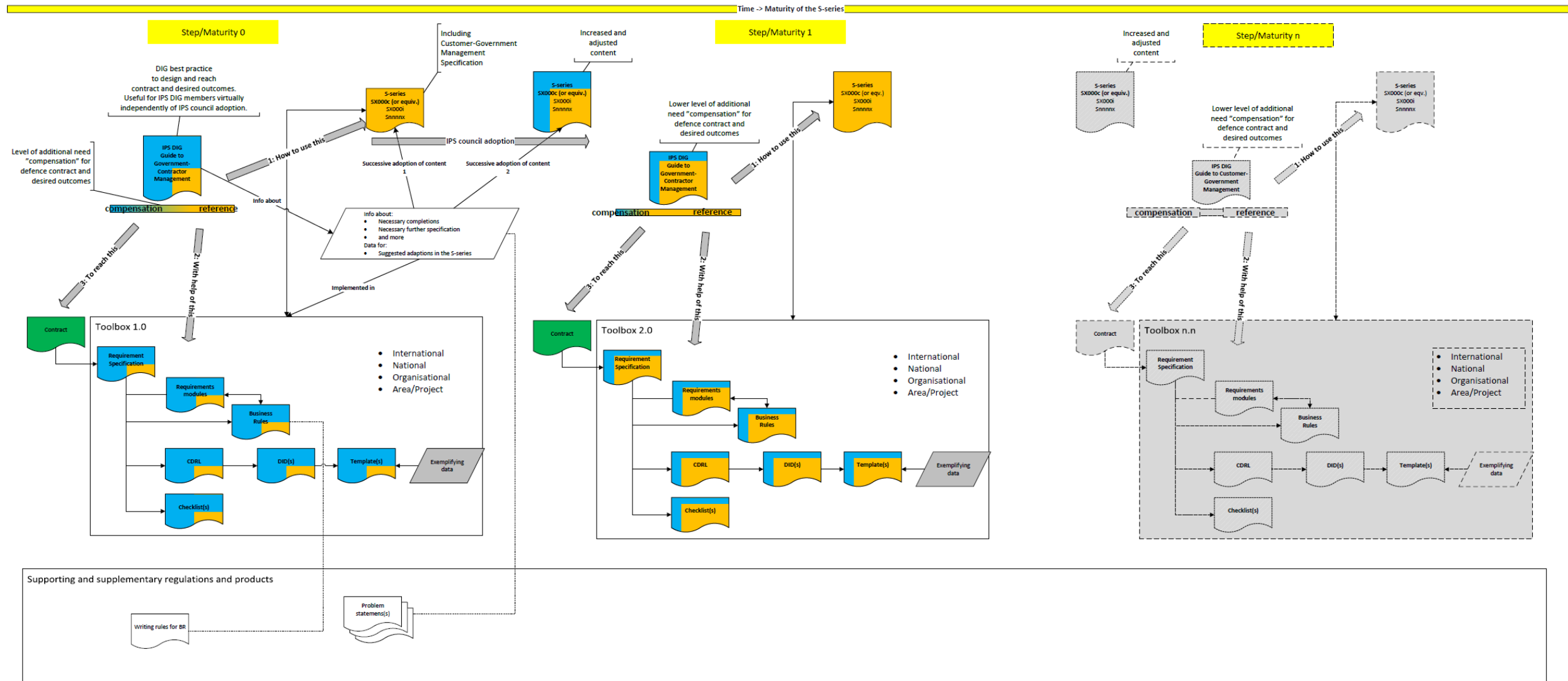
There is a lack of comprehensive software toolsets for S-Series implementation.

Many toolsets vary in coverage, maturity, and capability. Recommendations include completing specifications, accrediting toolsets for compliance, developing a list of toolsets, and monitoring their maturity and capability.

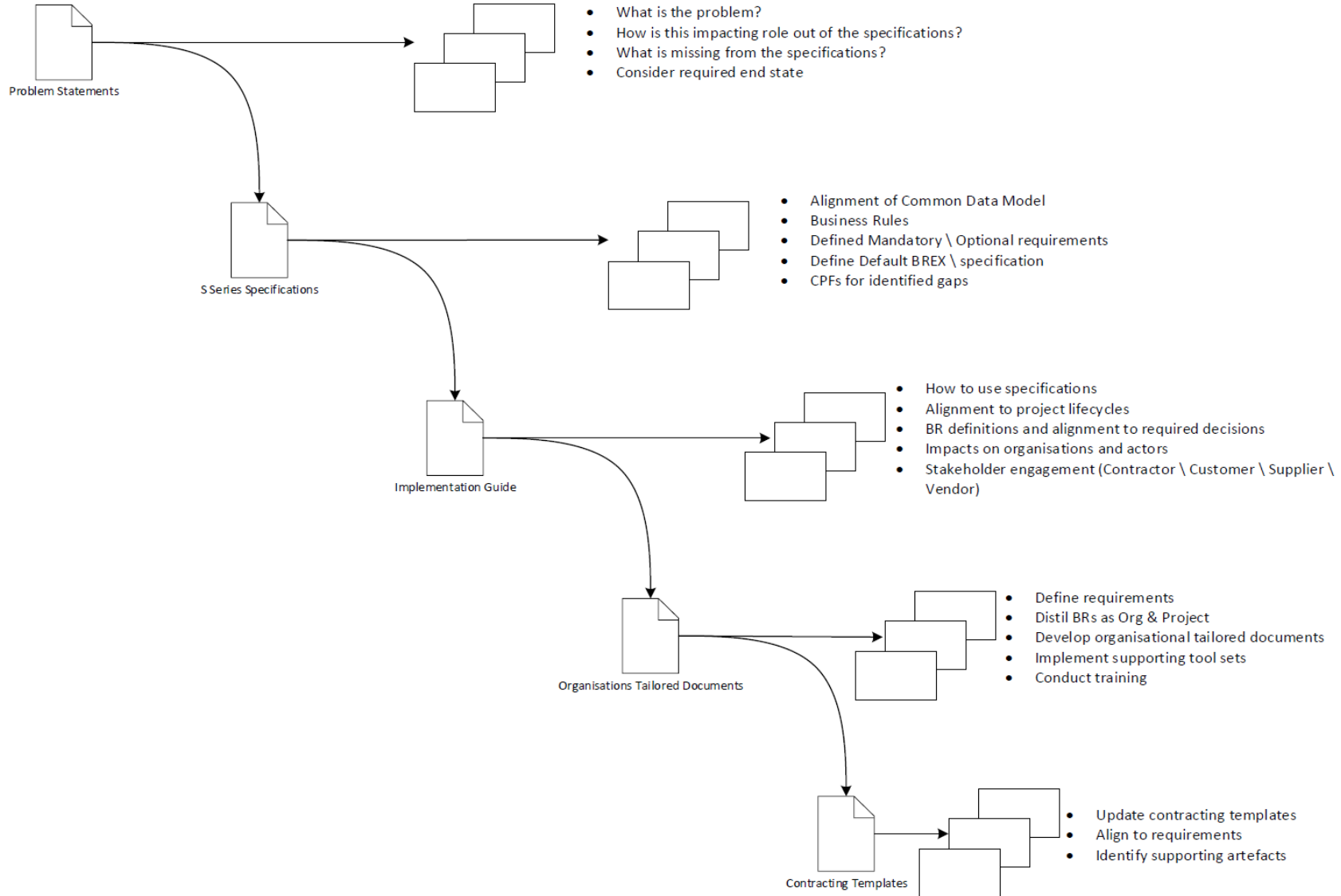
Envisioning the Maturation Process

Major update of the proposal as presented in the 12DEC2023 IPS Council

IPS DIG Development Framework
rev 4



IPS DIG Workflow



Summary, Acknowledgement and Questions

- **Summary**

Common themes include the need for an integrated data model, additional maturity in specifications, tailorable business rules, and stability in the data model and specifications.

- **Acknowledgment**

Gerke Mulder and Jim Colson are acknowledged as IPS DIG Co-Chairs.

- **Questions?**