



Ministry  
of Defence



ロジスティックサポートセミナー  
グランドヒル市ヶ谷白樺の間

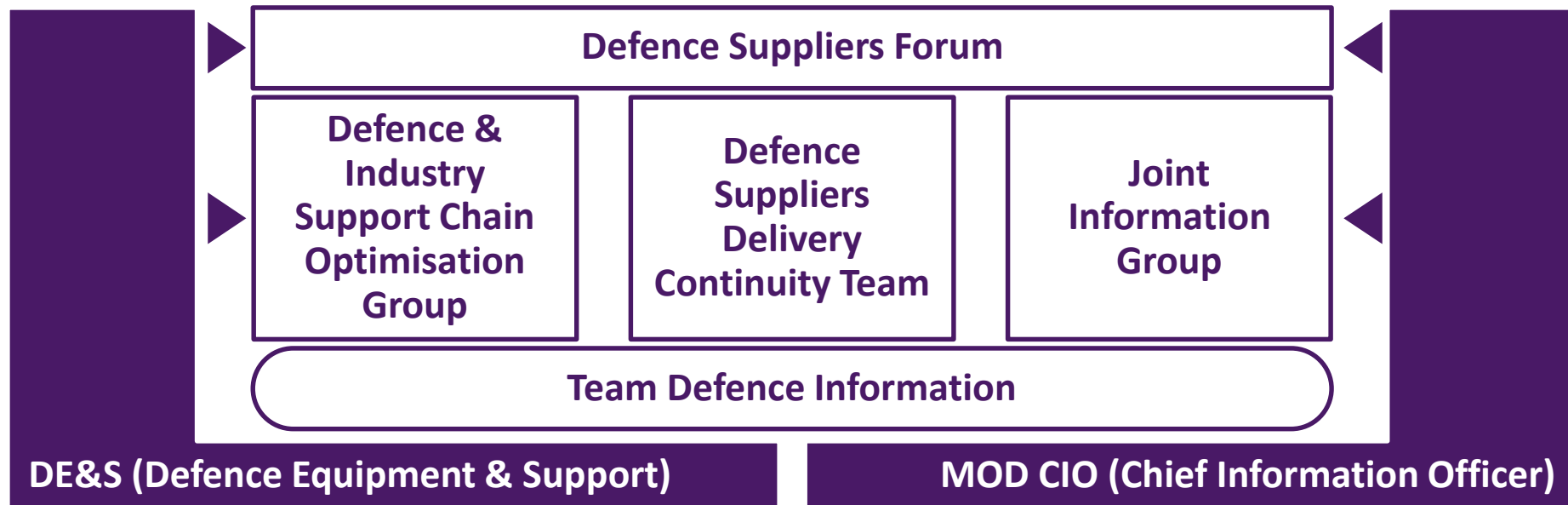
## ロジスティックデータの国際標準化～ISO10303-AP239

Dr. Timothy M. KING | ティム・キング

Delivery Continuity Executive

2019-11-21

# What is “Team Defence Information”?



MOD organization



Industry membership



Joint MOD + Industry participation

# Delivering the mission of Team Defence Information

information technology (hardware & software)  
is not the first consideration

data is the lifeblood of transformation  
データは変革の生命線

identification of appropriate standards for  
effective collaboration

# A hierarchy of standards

ISO 55000

asset management

BSI PAS 280

through-life engineering services

S-series

integrated logistics support

ISO 10303-239

product life cycle support

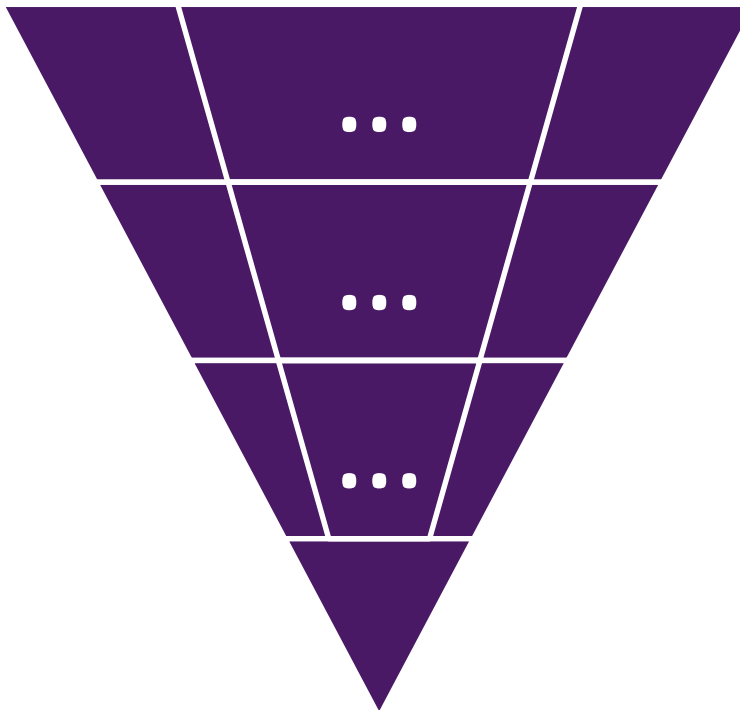
# Strategic delivery based on effective data exploitation

ISO 55000

BSI PAS 280

S-series

ISO 10303-239



multiple benefits for  
the asset owner

multiple value streams  
for suppliers

multiple data sets for  
different exchange  
scenarios

one common language  
for all data

# “ISO 55000”



- “Asset management”
- ISO 55000
  - Overview, principles and terminology
- ISO 55001
  - Management systems – Requirements
- ISO 55002
  - Management systems – Guidelines for the application of ISO 55001
- 日本アセットマネジメント協会
  - <https://www.ja-am.or.jp/iso55000s>

# BSI PAS 280



- Through-life engineering services – Adding business value through a common framework – Guide
- free to download
  - <https://shop.bsigroup.com/forms/PASs/PAS-28020185/>

# S-Series

**AIA** AEROSPACE  
INDUSTRIES  
ASSOCIATION

**ASD**  
Aerospace and Defence Industries  
Association of Europe

**council**

Host (on behalf of ASD): **ADS** ADS is the Premier Trade Organisation for companies in the UK  
Aerospace, Defence, Security and Space Sectors.

## S – Series Overview and Specification Status

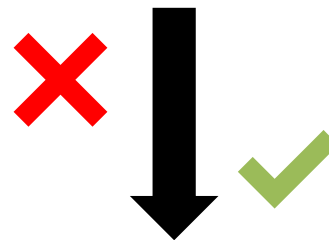
**S1000D, S2000M, S3000L, S4000P, S5000F, S6000T, Sx000i and Sn000X**

**Name of presenter:** Bernhard Seidel  
**Rank/title of presenter:** Senior Expert ILS / ISS Processes  
**Company/organization:** Airbus Military Aircraft Services / Service Development

*ILS Specification Day, London* *October 17, 2019*

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“integrated logistics support”  
統合ロジスティックサポート



“integrated product support”  
統合製造品(装備品)サポート



# The fundamental problem

a picture is worth a thousand words



a word is worth a thousand pictures



standardization =  
common understanding of meaning



# “Logistics”

## NATO definition

The science of planning and carrying out the movement and maintenance of forces. In its most comprehensive sense, the aspects of military operations which deal with:

- a) design and development, acquisition, storage, transport, distribution, maintenance, evacuation and disposition of materiel;
- b) transport of personnel;
- c) acquisition or construction, maintenance, operation and disposition of facilities;
- d) acquisition or furnishing of services; and
- e) medical and health service support.

## Dictionary definition

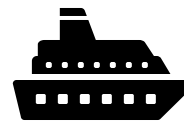
the commercial activity of transporting goods to customers

例: “logistics company” = 物流会社

防衛産業の専門家がわかる

# “Product”

platform



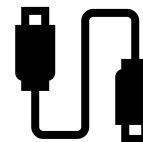
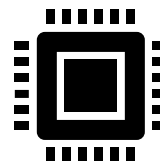
etc.

system



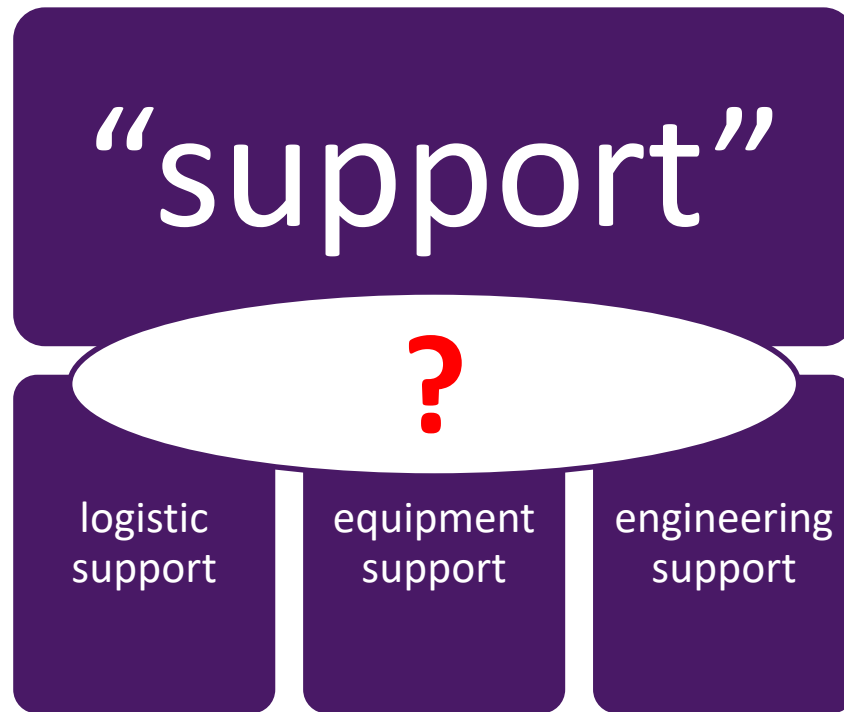
etc.

equipment

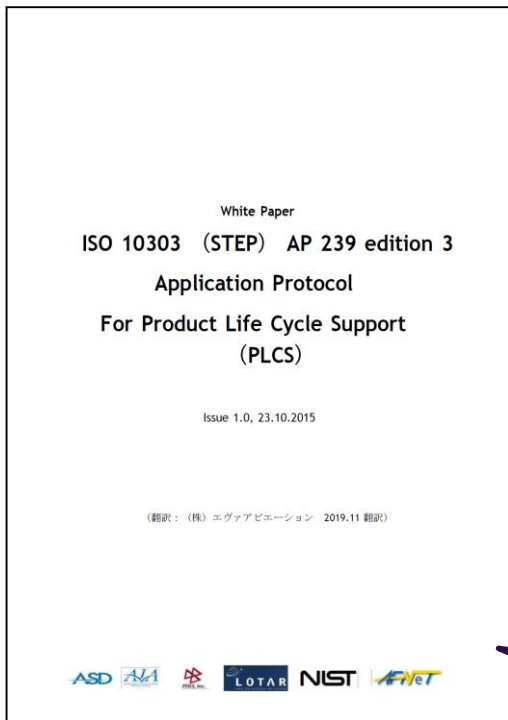


etc.

# “Logistics” – the UK MOD perspective



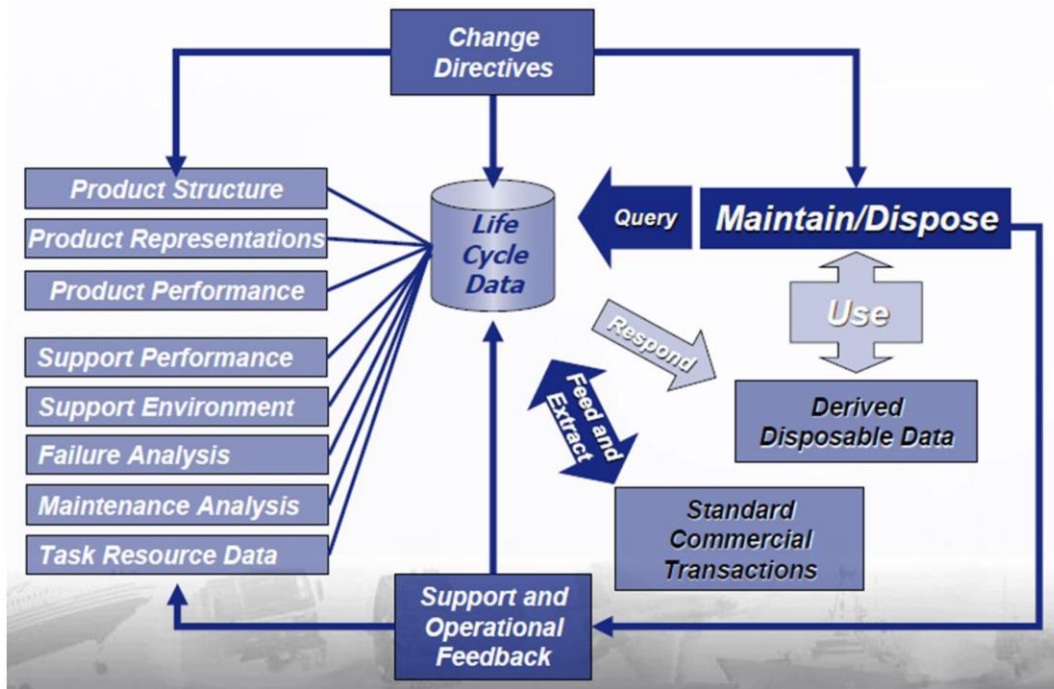
# ISO 10303-239



- Product Life Cycle Support
- integration with product data of all types (ISO 10303 - STEP)
  - design
  - manufacturing
  - etc.
- “STEP” = 製品モデルデータ交換の国際規格

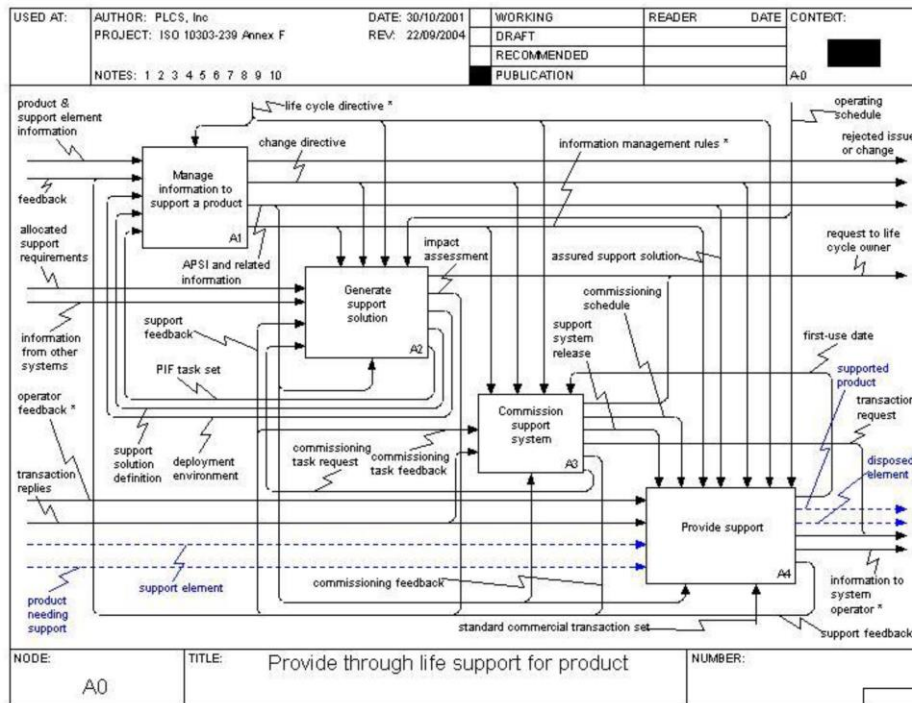
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# A vision for Product Life Cycle Support

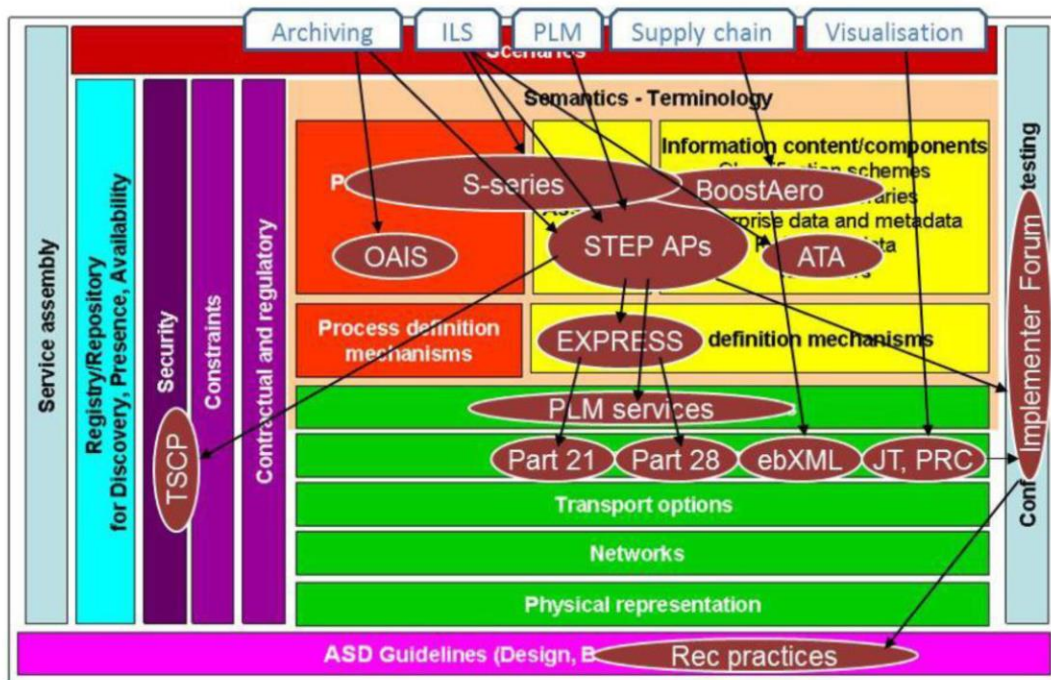


# An end-to-end process

## <処理過程>



# “Standards backbone”

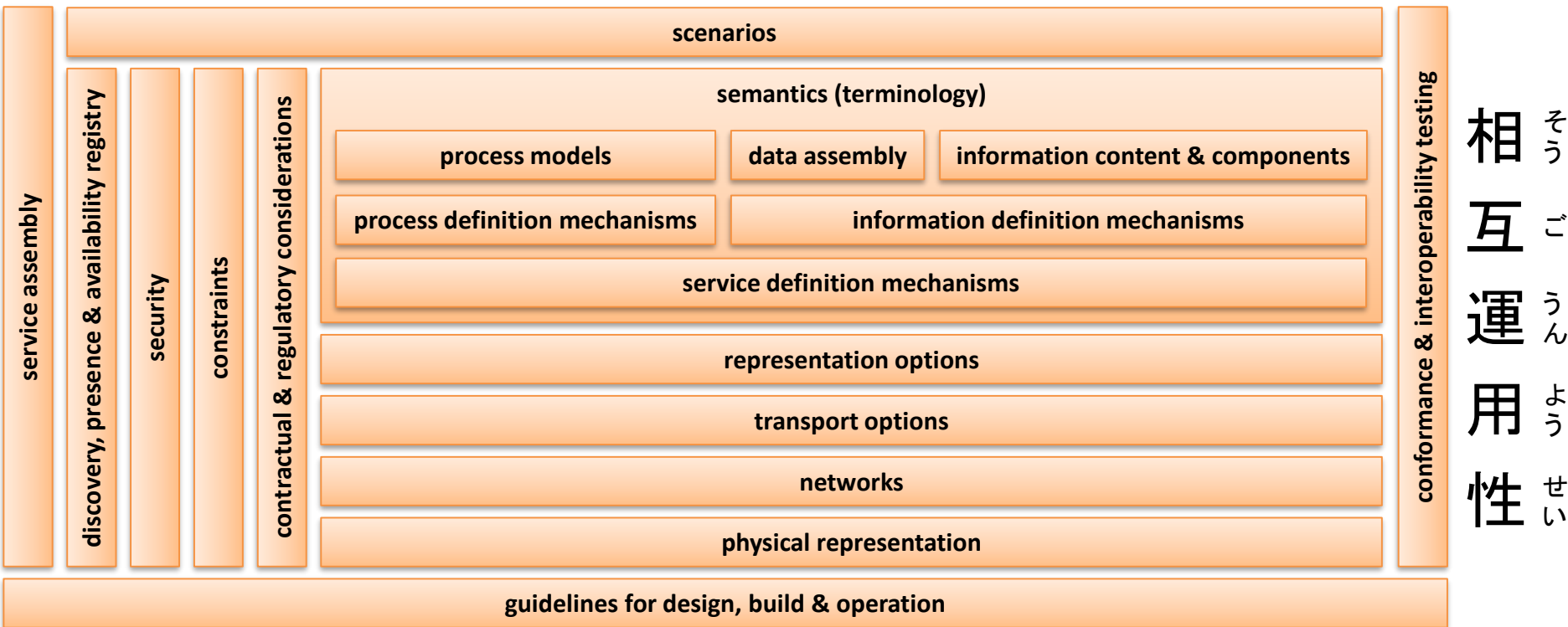


標準の骨子  
ひょうじゅん  
の  
こっし



# Interoperability architecture

## <データの相互共有性>



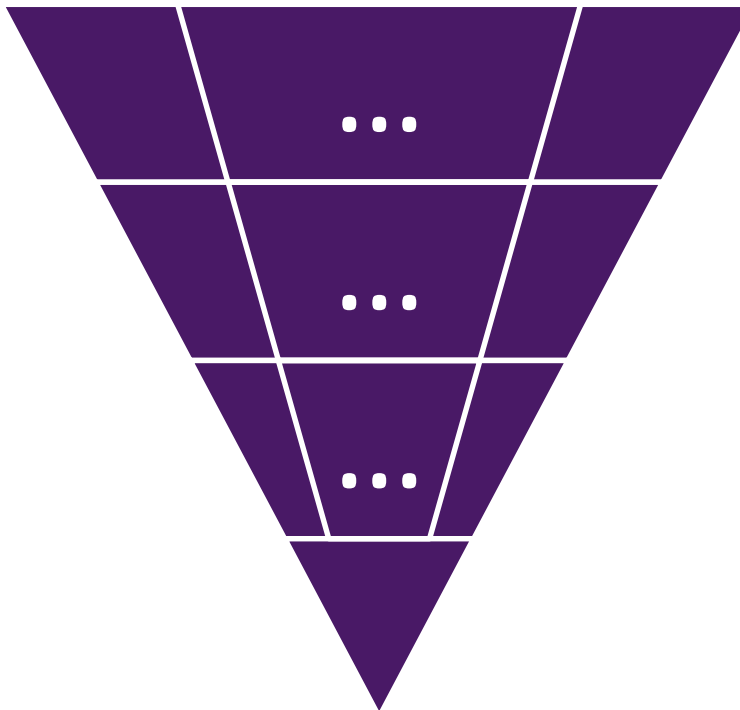
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innovation &  
transformation

@

lower cost &  
through more  
effective  
collaboration

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# Next steps towards transformation of logistics support

- ✓ dialogue between JMOD and Japanese industry
- ✓ agreement on objectives, challenges and responsibilities
- ✓ review and prioritization of potential solutions (including standards) for collaboration & interoperability as the foundation for effective contracting
- ✓ further, more detailed explanation of lessons learnt by the UK defence community

# The Delivery Continuity Team

*Sustaining the exploitation of information to  
increase value for money and resilience of  
Defence Support.*

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