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SELF-STUDY ADDENDUM

# SL 5G



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## Self-Study Addendum — SL 5G: Advanced Operations Research and Systems Analysis

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*Palantir Developers Reference Library*

HEADQUARTERS  
UNITED STATES ARMY EUROPE AND AFRICA  
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Wiesbaden, Germany

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# SELF-STUDY ADDENDUM — SL 5G: ADVANCED OPERATIONS RESEARCH AND SYSTEMS ANALYSIS

## PALANTIR DEVELOPERS REFERENCE LIBRARY

**NOT REQUIRED FOR QUALIFICATION.** This addendum provides curated references from the Palantir Developers YouTube channel ([@PalantirDevelopers](#)) for personnel who want to deepen their MSS technical skills beyond the core curriculum. All content is publicly available.

**Companion Resource — Ontologize Channel:** [@Ontologize](#) — Official Palantir training partner. 68 indexed video walkthroughs covering Foundry and AIP features. Full catalog with TM cross-references: [source\\_material/ontologize\\_youtube/README.md](#)

## HOW TO USE THIS ADDENDUM

Videos are grouped by topic and ordered from foundational to advanced. SL 4G self-study references are included here for completeness — analysts who completed SL 4G recently may skip Group 1 and Group 2. Start with Groups 3 and 4 for content specific to SL 5G advanced topics.

## NEW DOCTRINE REFERENCES (MARCH 2026)

The following doctrine sections were added to TM-50G this session. Review after the corresponding TM chapter:

- **MOE/MOP Assessment at Theater Level** — Theater-level measures of effectiveness and performance for GO/SES analytical products. See TM-50G concepts guide.
- **CARVER Scoring (Multi-Echelon)** — CARVER methodology applied to multi-echelon risk prioritization and Pareto optimization inputs. See TM-50G concepts guide.
- **Force Ratio Computation (Advanced)** — Force ratio integration with Bayesian readiness models and network vulnerability analysis. See TM-50G concepts guide.

## GROUP 1 — QUIVER: BUILDING AND NAVIGATING ANALYSES (FROM SL 4G)

Video	What it Covers	Relevant TM Chapter
<i>Quiver   How to Build an Analysis in Palantir Foundry</i>	End-to-end walkthrough of creating a Quiver workbook from scratch.	TM-40G Ch 8
<i>Quiver   How to Perform Ad-Hoc Aggregations</i>	On-the-fly group-by aggregations without modifying underlying pipelines.	TM-40G Ch 8
<i>Quiver   How to Navigate the Dependency Graph and Expand your Analysis</i>	Tracing upstream data lineage and extending analyses in Quiver.	TM-40G Ch 8
<i>Quiver   How to Use Parameters in Your Analysis</i>	Parameter widgets for dynamic filtering across Quiver charts.	TM-40G Ch 8
<i>Quiver   Calculating KPIs for Time Series Data in Palantir Foundry</i>	KPI metrics from time-series data including rolling aggregations.	TM-40G Ch 4, Ch 8

## GROUP 2 — CONTOUR AND DASHBOARD CONSTRUCTION (FROM SL 4G)

Video	What it Covers	Relevant TM Chapter
<i>Contour   Building a Year Over Year Sales Dashboard</i>	Period-over-period comparison patterns in Contour for executive audiences.	TM-40G Ch 8

## GROUP 3 — PLATFORM ARCHITECTURE AND DATA FOUNDATIONS

Video	What it Covers	Relevant TM Chapter
<i>How Palantir Integrates with Your Current Data Systems</i>	How Foundry/MSS connects to existing Army data systems — context for ORSA data layer design.	TM-40G Ch 2, Ch 8

Video	What it Covers	Relevant TM Chapter
<i>Why do I need Palantir if I already have a cloud data platform?</i>	What Foundry provides beyond standard cloud analytics — useful framing for senior practitioners explaining MSS value to leadership.	TM-40G Ch 1
<i>Palantir Ontology Overview</i>	High-level Ontology introduction: object types, links, and operational data model.	TM-40G Ch 2
<i>Foundry Reference Project   Data Pipeline</i>	Reference data pipeline implementation in Foundry — Pipeline Builder patterns and transform conventions.	TM-40G Ch 2
<i>Foundry Reference Project   Ontology</i>	Reference Ontology implementation with object types, property definitions, and link rules.	TM-40G Ch 2
<i>Platform APIs x SLB for Digital Sustainability</i>	Using Foundry Platform APIs to integrate external data and automate workflows.	Ch 8
<i>Deep Dive: Optimizing Data Pipelines with Iceberg Tables and Lightweight Compute   DevCon 4</i>	Foundry Iceberg table format and lightweight compute for high-volume pipeline optimization — relevant to persistent ORSA analytical environments with recurring ETL pipelines.	Ch 8
<i>Deep Dive: Advanced Ontology   DevCon 5</i>	Advanced Ontology patterns including object type hierarchies, action types, and cross-domain entity linking — foundational to Bayesian and causal models that require a structured operational data model.	Ch 4, Ch 8
<i>Anduril: Ontology: Launchpad for Operations</i>	Case study on operationalizing the Palantir Ontology as a semantic layer for complex operational environments.	TM-40G Ch 1, Ch 2

## GROUP 4 — AI, ADVANCED WORKFLOWS, AND STRATEGIC PLATFORM

Video	What it Covers	Relevant TM Chapter
<i>Applied AI: Scaling AI Workflows and Task Execution with AIP</i>	How AIP orchestrates multi-step analytical workflows and automates task routing — directly relevant to designing persistent OR capability where recurring analytical cycles are automated rather than rebuilt manually.	Ch 8
<i>Deep Dive: Interoperability at Scale</i>	How Foundry handles interoperability across heterogeneous data sources and modalities at scale — relevant for senior ORSA	Ch 8

Video	What it Covers	Relevant TM Chapter
<i>with the Multimodal Data Plane   DevCon 5</i>	practitioners designing theater-level analytical environments that span multiple classification domains and data systems.	
<i>Building Enterprise Autonomy with Shyam Sankar, CTO</i>	Palantir CTO perspective on the trajectory toward enterprise autonomy — strategic context for ORSA practitioners advising leadership on where AI-enabled decision support is heading.	Ch 7
<i>Product Launch: Hivemind   DevCon 5</i>	Palantir's Hivemind product for multi-domain decision support and autonomous task execution — relevant to ORSA analysts integrating AI decision-support products with commander workflows.	Ch 7
<i>Akshay Krishnaswamy Opening Remarks   DevCon 5</i>	Strategic overview of Palantir's operational AI direction — useful context for senior ORSA practitioners briefing leadership on the MSS roadmap and capability trajectory.	Ch 7

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*USAREUR-AF Operational Data Team*

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