

Office of Space Commerce

Fostering economic growth and technological advancement
in the U.S. commercial space industry

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Enabling the U.S. Space Industry



The Office of Space Commerce (OSC) seeks to enable a world-leading U.S. space industry and ensure that the United States remains the flag of choice for space businesses and operations.

Advocacy

- Coordinate government-wide commercial policy issues and actions.
- Pursue the removal of legal, policy, institutional barriers to space commerce.
- Act as an industry advocate within the Executive Branch.

Operations

- Execute the civil space situational awareness mission.
- Enable safe space operations for the preservation of human lives, business assets, and the space environment.

Regulation

- License U.S. operators of private remote sensing systems.
- Monitor licensees for compliance with U.S. law and regulation.
- Protect national security, foreign policy, and international obligations.



Advocacy

The Policy, Advocacy, and International Division



International Commercial Engagement



- OSC works with U.S. industry to identify **challenges** and **opportunities**.
- We participate in Space Dialogues and organize “Track 1.5 Dialogues” - in 2024, we have held these with France, New Zealand, Germany, Japan, and Italy.
- We work through “minilateral” groups like the Quad, Space Five, G7, and G20 to coordinate policies.
- We engage diplomatically on foreign laws and policies such as the draft EU Space Law.



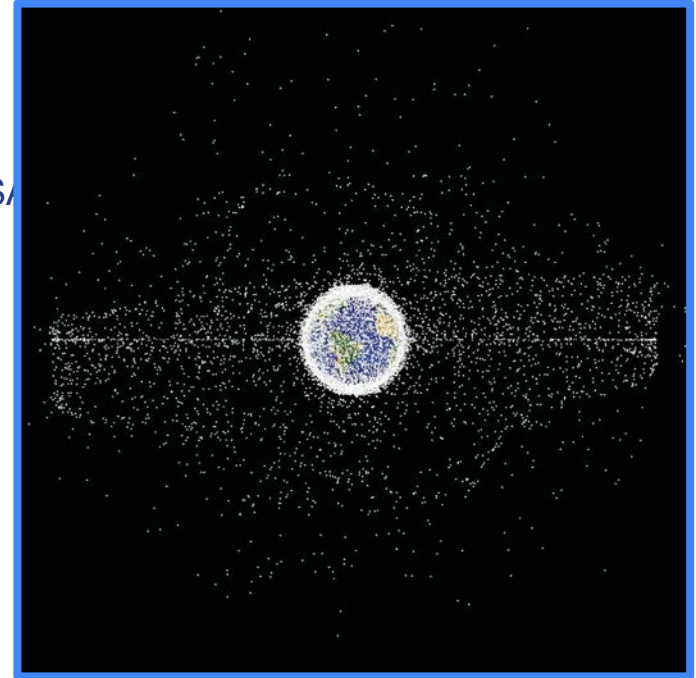
TRACSS



Space Situational Awareness (SSA) and the Office of Space Commerce



- Space Policy Directive-3 **transfers responsibility from Department of Defense (DoD) to DOC for providing basic SSA services** to commercial and civil operators:
 - Recognizes the pressing need for more accurate and timely SSA data...
 - Enables DoD to concentrate resources on national security...
- OSC is developing an SSA capability – the **Traffic Coordination System for Space (TraCSS)** – that will blend government and commercial data to provide actionable SSA for civil and commercial space operators.
- But Congress needs to **authorize** and provide **immunity**



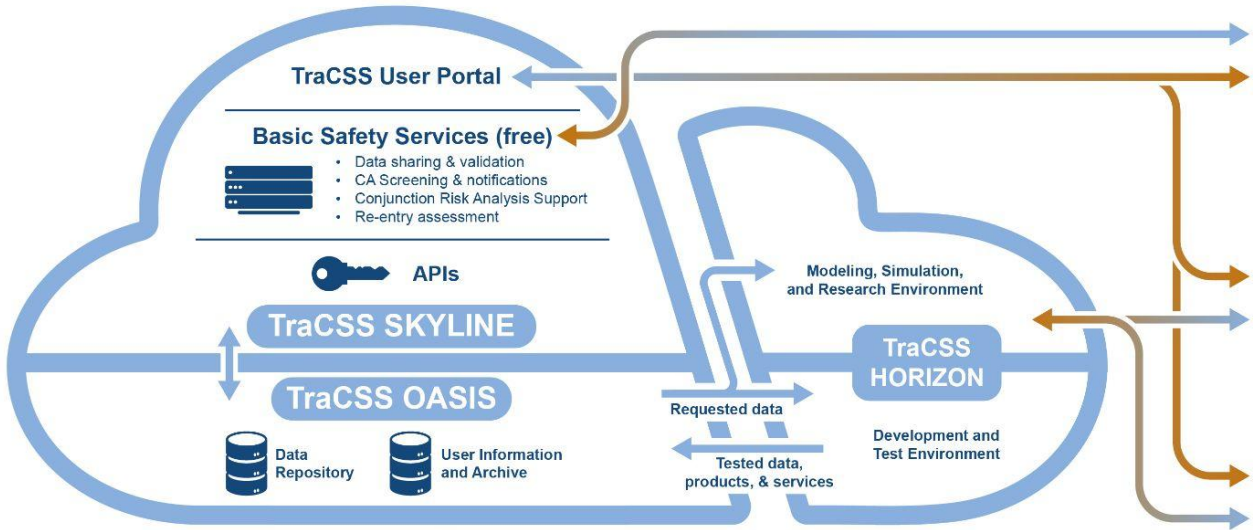
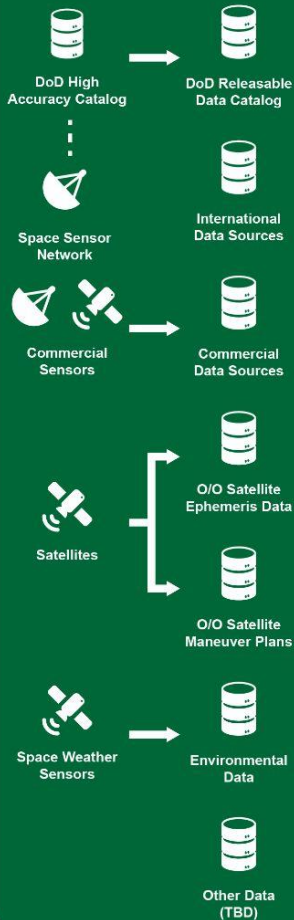
Credit: NASA
ODPO

TraCSS' Major Milestones: 2018 - 2024

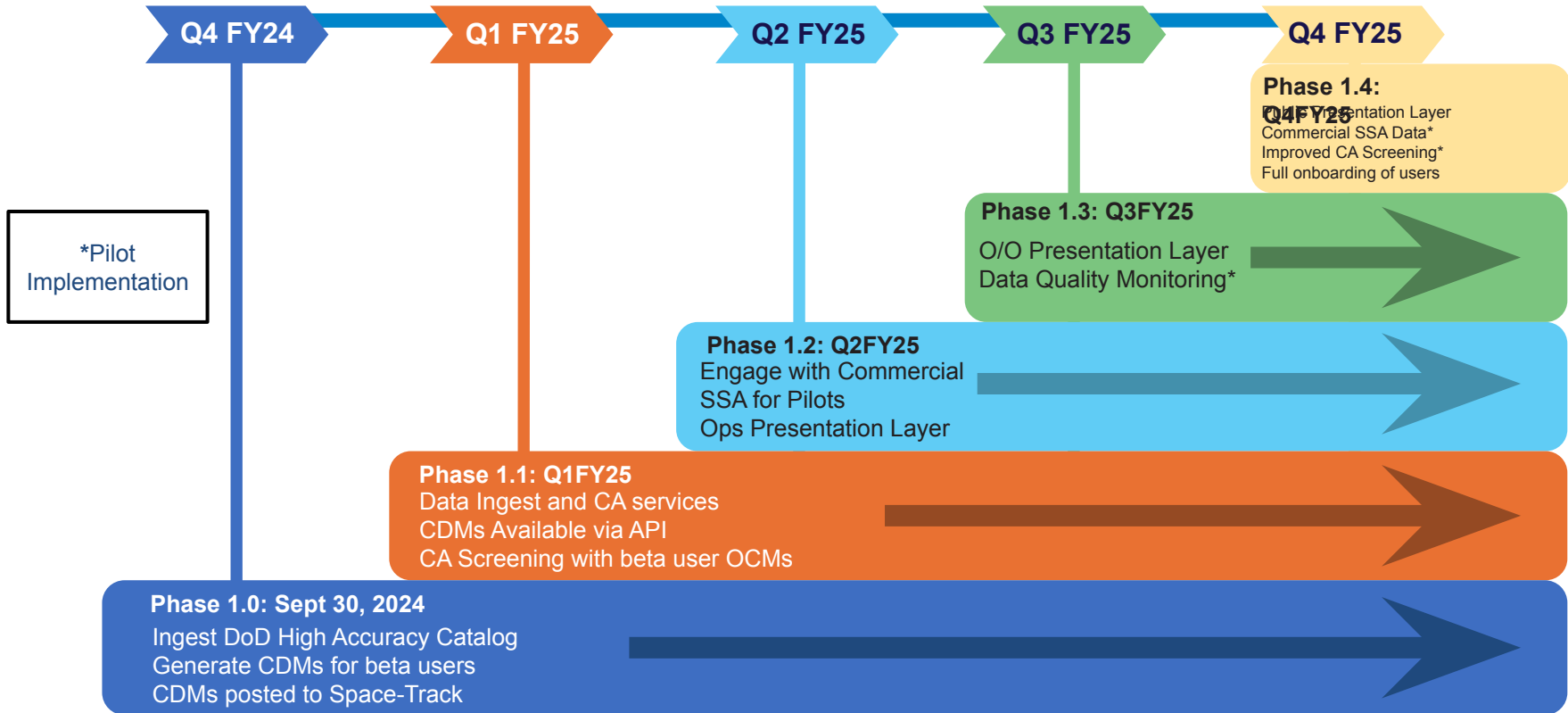


- **SPD-3 Issued (2018)** - directed transfer of responsibility for civil space situational awareness from DOD to DOC.
- **DOD/DOC MOA (Sept. 2022)** - framing the departments' relationship for basic space situational awareness, space traffic management, and coordination for civil and commercial entities.
- **FY23/FY24 appropriations for TraCSS (2023/2024)** - dedicated funding to develop the TraCSS system.
- **Cloud Contract Awarded (2023)** - Amazon Web Services.
- **System Integrator (March 2024)** - Parsons Corporation, managing system integration and cloud management.
- **TraCSS granted "authority to proceed" (March 2024)**
- **Presentation Layer contract (TBD- FALL 2024)**
- **Rollout of TraCSS Phase 1.0 initial capability (Sept. 30, 2024)**

Data Sources



Phase 1 Capability Roll-Out Plan: Phased Delivery of Commercial Functionality



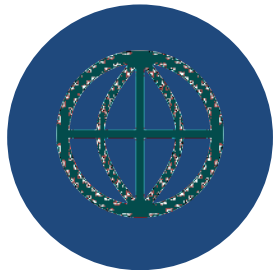
The “Global SSA Future” Vision



We envision a **global coordinated system of space situational awareness providers**, with a series of national or regional hubs providing information and services to spacecraft operators. **These centers will be supported by networks of international and commercial partnerships.**



Government services will be augmented by a **robust global commercial space situational awareness sector that provides value-added services** to support business intelligence and other advanced services.

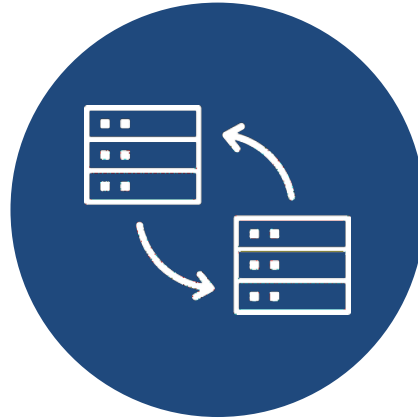


The Department of Commerce is committed to maintaining an **open and transparent system** that enables global coordination with other global SSA providers.

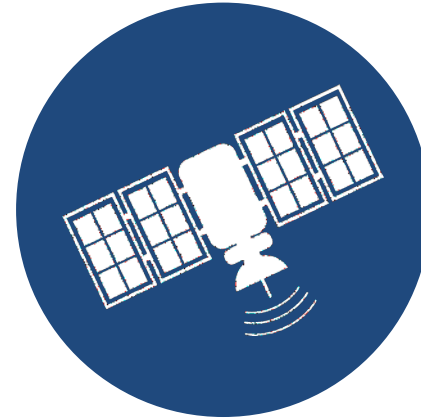
“Global SSA Future” Implementation



**SSA
Data
Standards**



**SSA
Information
Sharing
Principles**



**Satellite
Operator
Engagement**



**International
Partnerships
&
Communication**