



AEP Transition

AEP Background

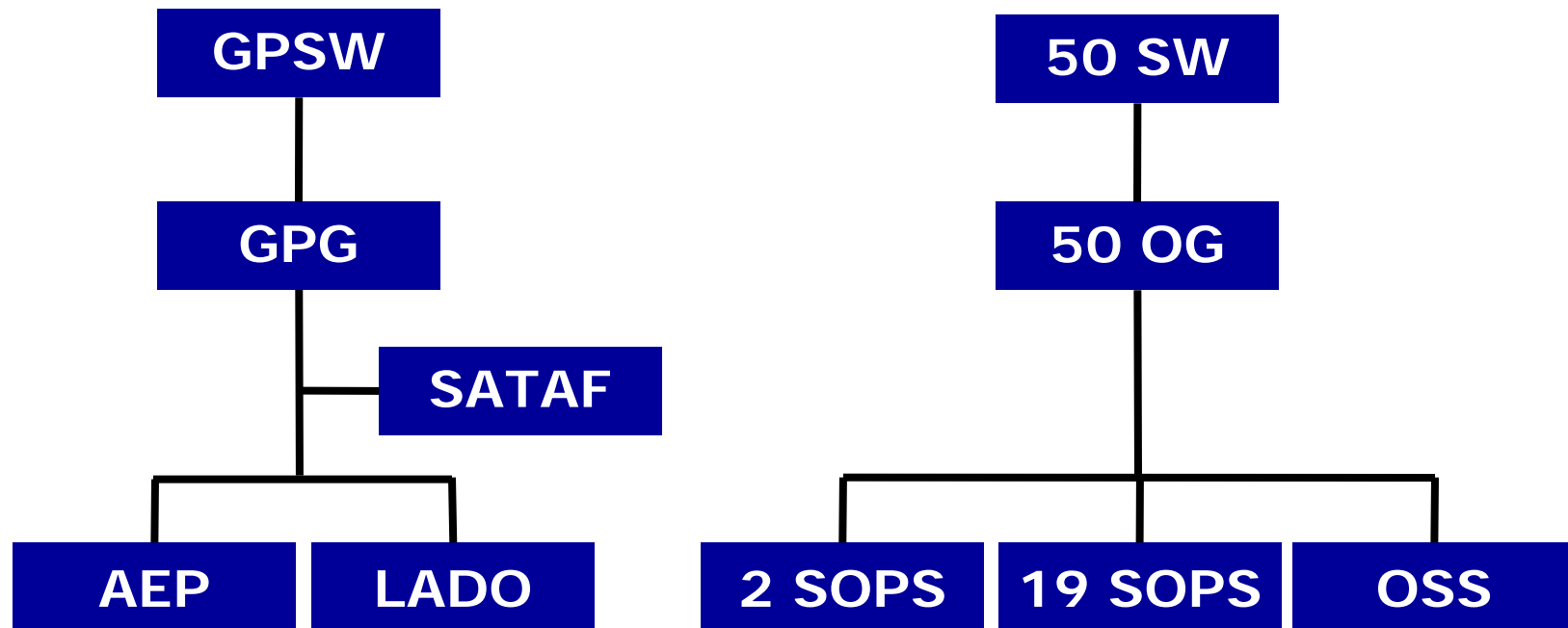
- **Contract Awarded in 1996**
- **Originally targeted for delivery in 1999**
- **Developmental delays and contract restructure**
 - IIF Vehicle split from Control Segment
 - Multiple schedule slips - Schedule no longer credible
 - Transition disconnect - Development / SATAF / OPS
 - In Jan 06 AEP was stalled
- **AEP planned releases**
 - AEP 5.2.1: Transitions ops from legacy MCS to NMCS
 - AEP 5.2.2: Flies GPS IIF satellites
 - AEP 5.5: Provides control segment functionality for SAASM

AEP way behind schedule, cancellation being considered

New Direction

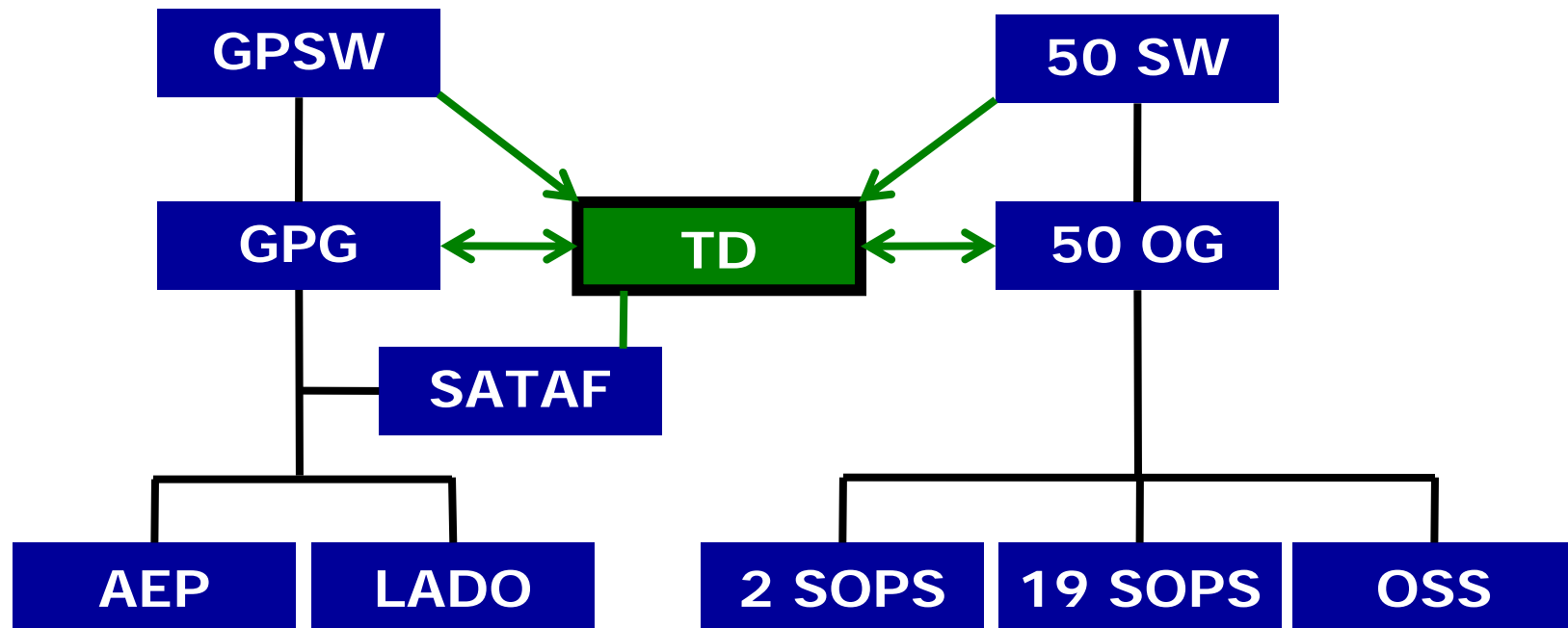
- **March 06 - Direction from Col Ballenger and Col Hyten ... “Assemble “accountable” baseline plan within 30 days to ensure soonest, safest, transition of AEP 5.2.1 (& LADO Rel 1)”**
- **Transition Director appointed**
 - The Transition Director – dual-hatted lead for GPSW and 50th SW
 - Solid plan briefed to senior leadership on 28 April that outlined way-ahead for accomplishing transition of AEP 5.2.1 and (LADO Rel 1).
 - Acknowledged plan was aggressive but included margin to hit target
- **What Happened**
 - A very complex and difficult transition was planned, developed and executed
 - On 14 Sep 07, AEP assumed control of the constellation

Classic Transition Model



Single Objective, Little Integration

Transition Director Model

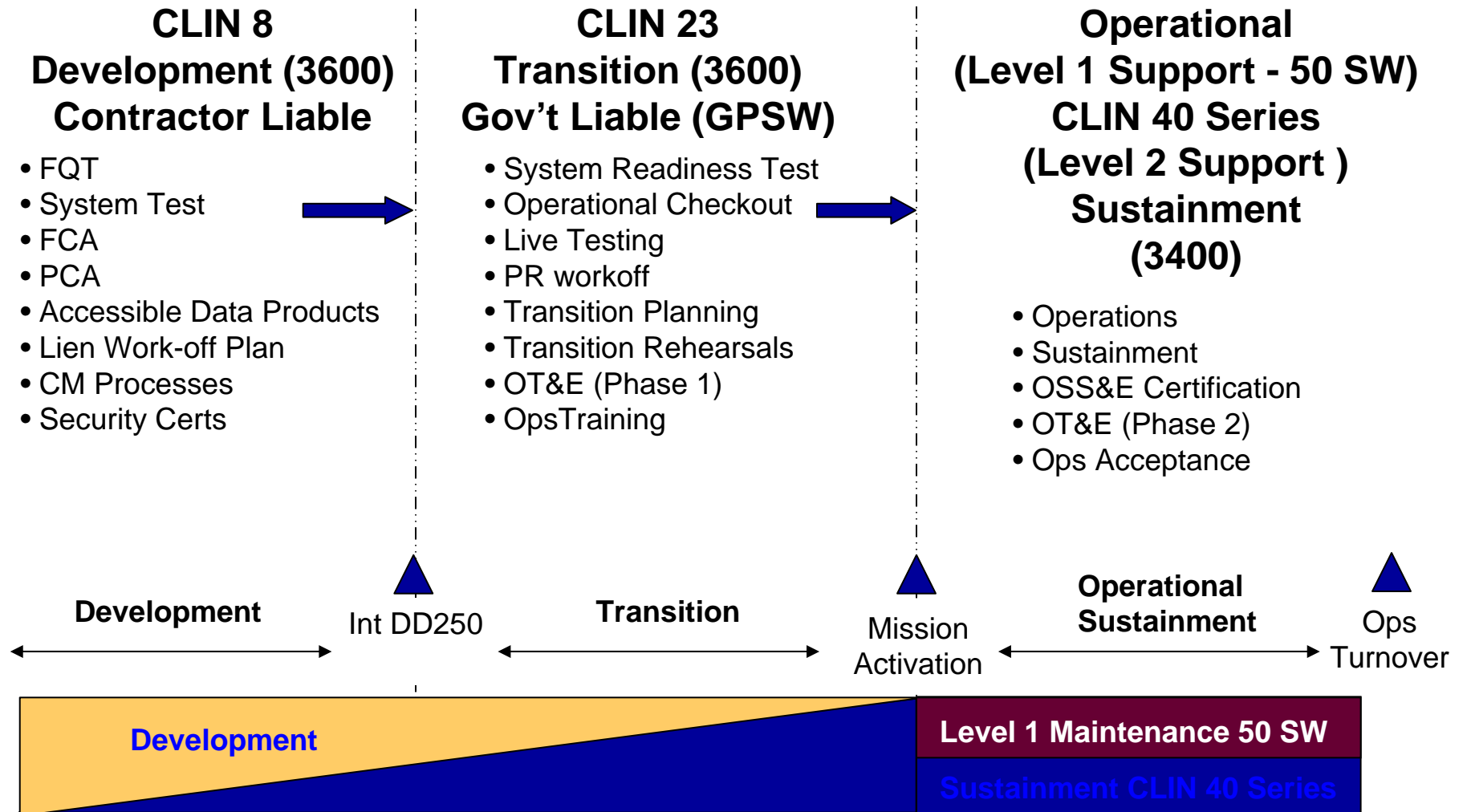


Single Objective, Full Integration

Why It worked

- Responsibility and authority was placed in a single person
- Unity of command enabled unity of effort
- Decision cycle time reduced significantly allowing the team to dedicate time to mission execution vice decision making
- Leadership support
- Proper funding
- Extraordinary people

How We Executed



Final Thoughts

- This was an extraordinarily difficult technical task coupled with schedule pressure and geo-political implications
- The heroic efforts of a total team of dedicated, skilled personnel, made the difficult look simple
- The TD Construct is a very good approach to transition. By placing the responsibility of balancing the requirements of ops and acquisition in a single person, it facilitates decision making and execution during the critical transition period.
- While we were successful, it is a task I hope we never attempt again (the way we had to)
- Early planning is critical to reducing transition risk

What an awesome team!



Transition Team Functions

- **Transition Team Management**
- **Schedule Integration and Execution**
- **Infrastructure (Classic SATAF functions)**
- **HW/SW readiness (Test, DR Mgmt, Procedure Val/Ver)**
- **Ops Readiness (Ops, MX, Sustainment)**
- **System Transition (Tools, Procedures, Rehearsals)**
- **Legacy System Disposal**

Key Activities and Processes

- Daily O-5 Telecons
- Weekly TD Standup and Transition Status Report
- Weekly working group meetings
- Monthly O-5 and SSG and schedule reviews
- Qtrly Briefings to Senior Leadership (SMC/CC, 14AF CC)
- O-5 DR management board
- Decision making
- Integrated Testing