

CHANGE MANAGEMENT PROCESS for the PUBLIC SIGNALS in SPACE (SiS) DOCUMENTS

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Meeting Overview

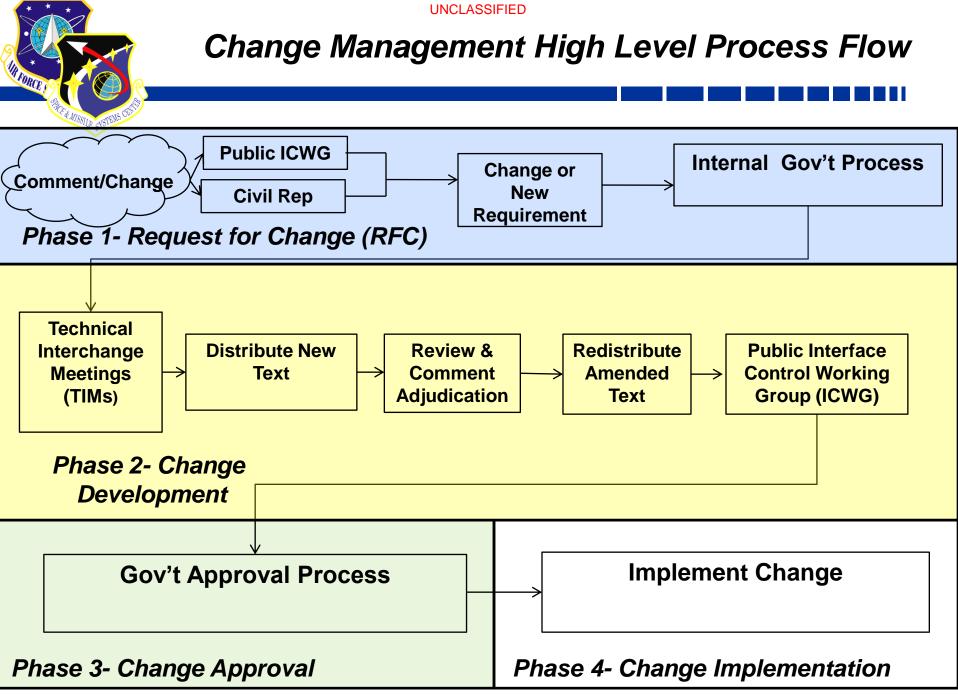
- Purpose & Objective
- High Level Process Flow
 - Four Phase Overview
- Technical Baselines Change Management
 - Phase Decomposition
- Question & Answers Session

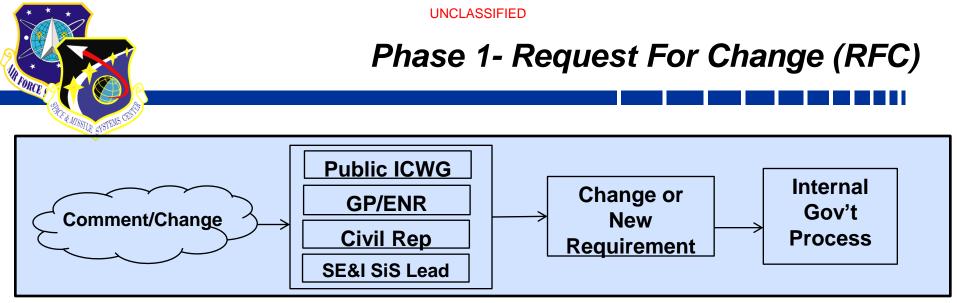


Technical Baseline Change Management Process Purpose & Objective

- <u>Purpose-</u> To provide the public community an overview on how the GPS Directorate manages change to the technical baseline in the public Signals in Space (SiS) documents.
- <u>Objective</u>- For the public community to be able to have the knowledge of:
 - Process
 - Relevant organizations & personnel
 - Schedules

associated with implementing change against the public documents (IS-GPS-200, 705, and 800)



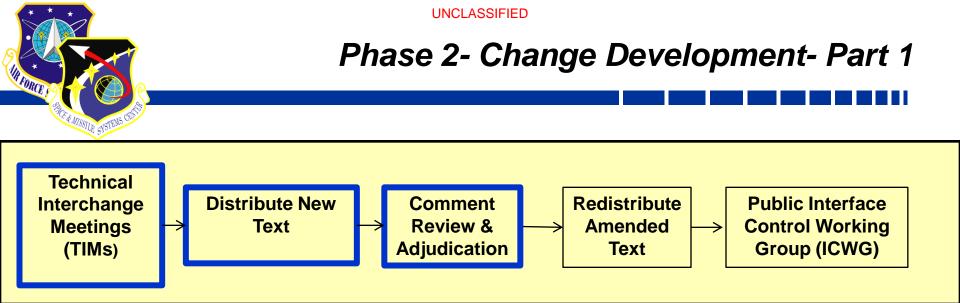


Request for Change (RFC)- a comment to identify problems, potential risks, and defined solutions.

How to submit a change?

An change/comment may be initiated by <u>anyone</u> in the public community – in order to be incorporated into the upcoming ICWG, comments must be received NLT 6 months prior to ICWG.

- Public Interface Control Working Group (ICWG)- http://www.gps.gov/technical/ICWG/
 - Submit item during open forum discussion at the public ICWG
- GPS Engineering Requirements Branch email address- <u>SMCGPER@losangeles.af.mil</u>
 - Email is sent to Gov't Agency in charge of public ICWG
- GPS Civil Representative (Thomas Nagle)- thomas.nagle@losangeles.af.mil
 - Email is sent to GPS Directorate Čivíl Representative
- GPS Signals in Space (SiS) Documents Lead- <u>mark.marquez.ctr@losangeles.af.mil</u>
 - Email is sent to GPS Directorate SE&I Representative



Technical Interchange Meetings (TIMs)

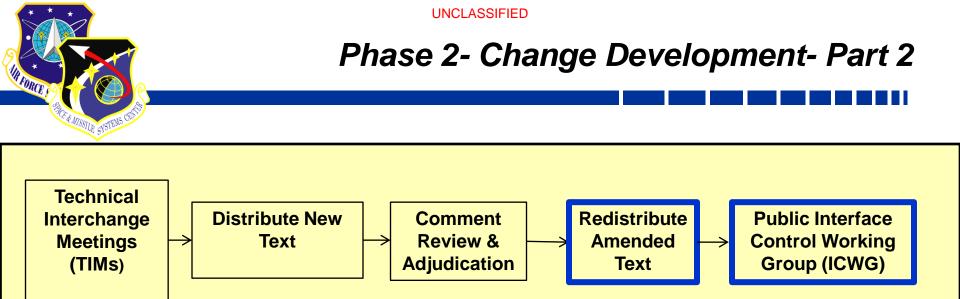
- Develop changes with appropriate stakeholders
- Consensus on change from TIM members

Distribute New Text

- Divided in Change Categories
- Published on GPS.gov- <u>http://www.gps.gov/technical/icwg/</u>
- Federal Registry post
- Meeting invitations distributed

Comment Review & Adjudication

- Stakeholder review of proposed text
 - 45 day review period
- Public can submit new comments **only** against the listed categories



Redistribute Amended Text

- GPS.GOV repost
 - Comments will be posted
- Federal Registry repost

• Public Interface Control Working Group (ICWG)

- Discussion includes the Directorate and the public community
- Divided into Change categories
- Open Forum comments used for following revision of document



Phase 3- Change Approval

Gov't Approval Process

- Upon completion of the change development process, the Gov't collaborates with the Contractors to assess:
 - Technical Impact
 - Financial Impact
 - Programmatic Impact



Phase 4- Change Implementation

Implement Change

- Based on your comment, the Directorate and the Contractors have agreed on a specification that will be:
 - Implemented into hardware
 - Written into code



Question & Answer Session

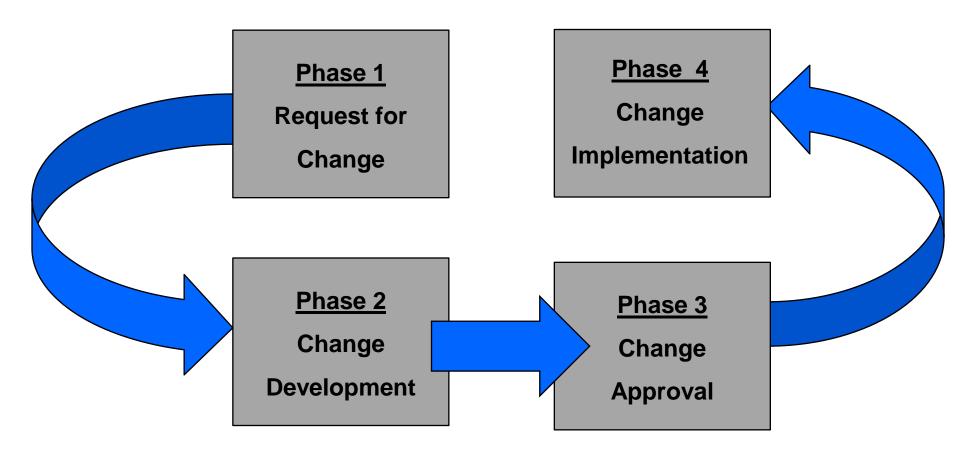
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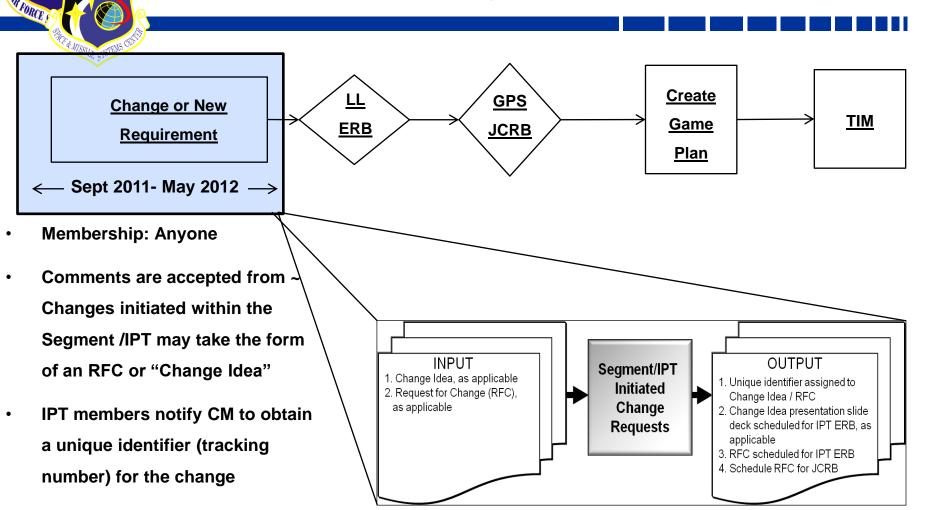
Backup Charts



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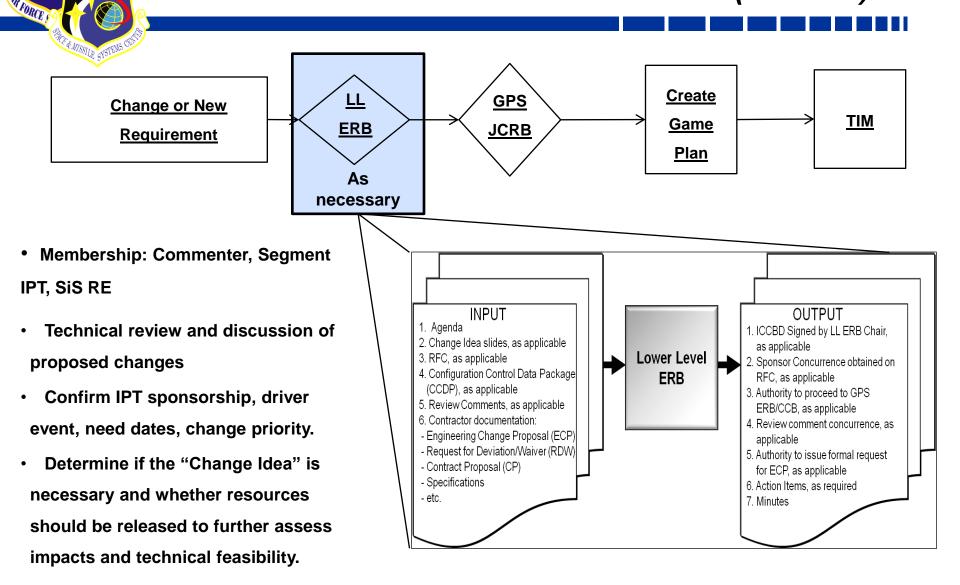
Change or New Requirement



IPT members complete the RFC or "Change Idea" and submit to CM for review and Lower Level ERB (LL ERB) scheduling

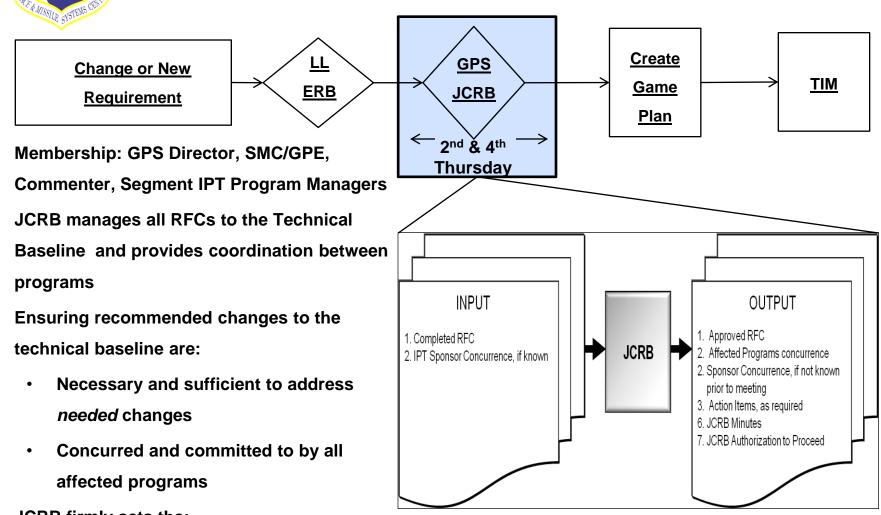
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Lower Level ERB (LL ERB)



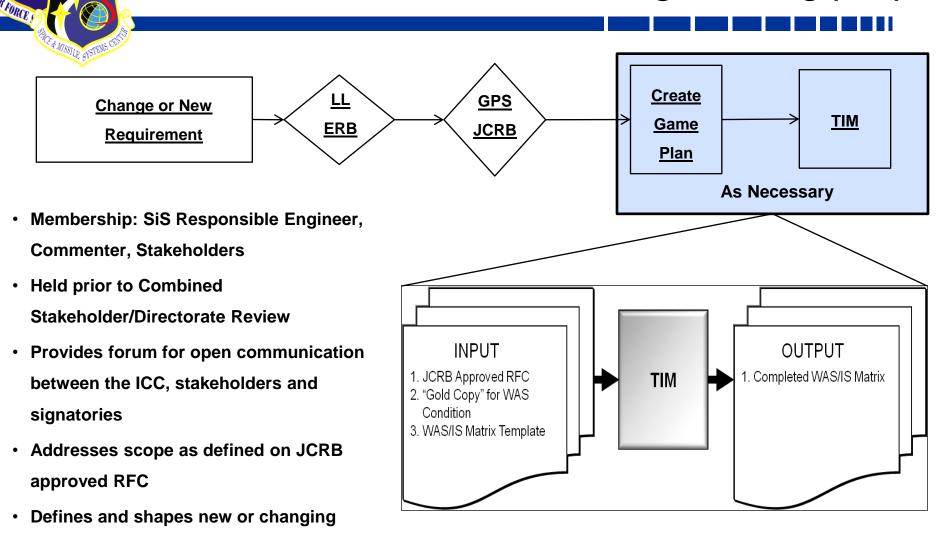
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Joint Change Review Board (JCRB)



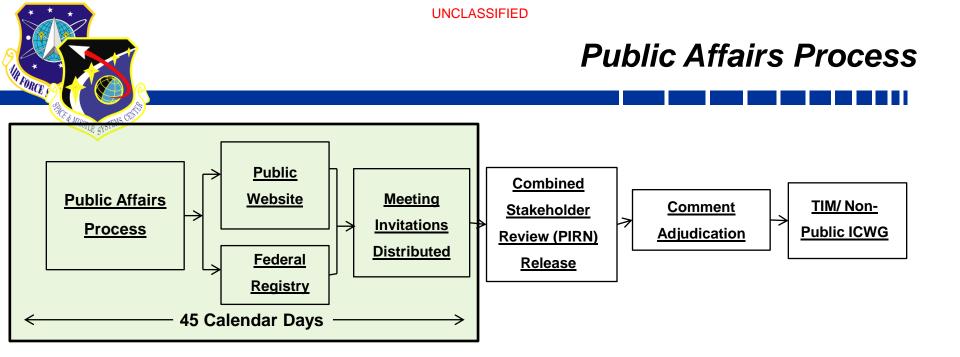
- JCRB firmly sets the:
 - Sponsor, Driving program event,
 Proposed change scope, Need date

Technical Interchange Meeting (TIM)



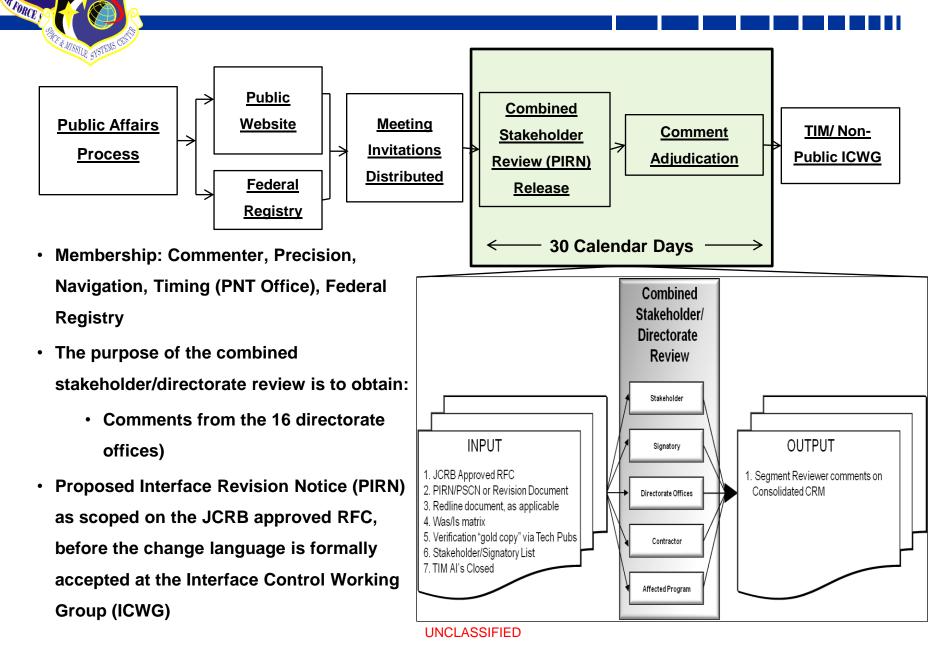
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requirement



- Membership: Commenter, Precision, Navigation, Timing (PNT Office), Federal Registry
- Send documents to Precision, Navigation, and Timing (<u>http://www.gps.gov</u>) website
 - PIRN
 - WAS/IS Matrices
 - Comment Resolution Matrixes
- Send Federal Registry:
 - Meeting invitations containing ICWG Date, Time, Location
 - Comment Due Date
 - RSVP Registration Information

Combined Stakeholder/Directorate Review



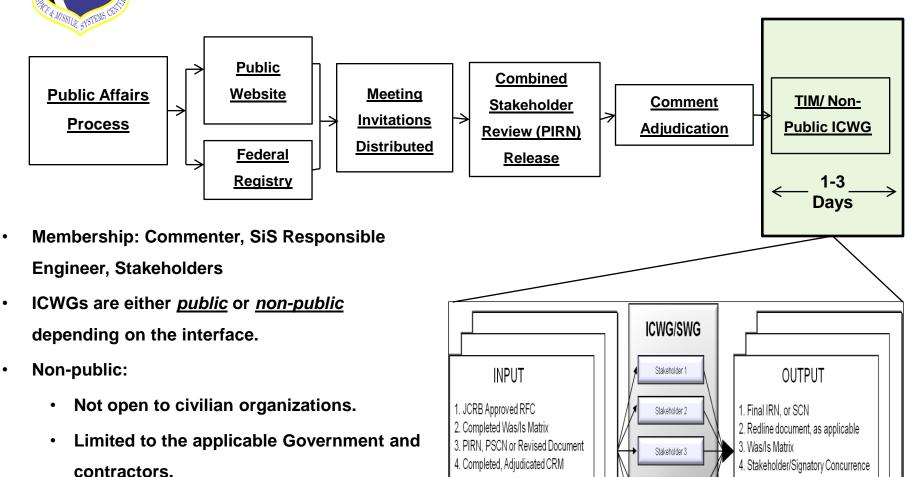


5. Action Items, as required

6. ICWG Minutes

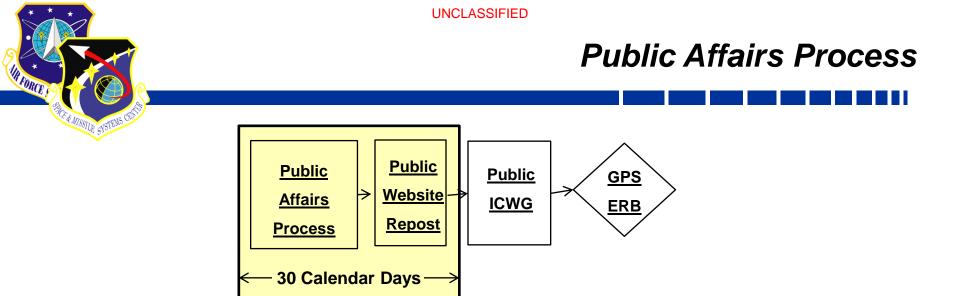
Stakeholder 4

Stakeholder 5



Documentation not posted on Federal • **Register, or GPS Public ICWG internet** website.

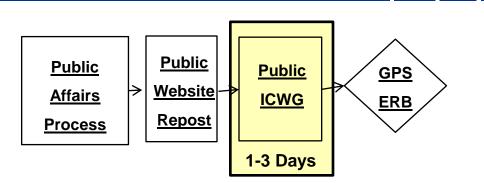
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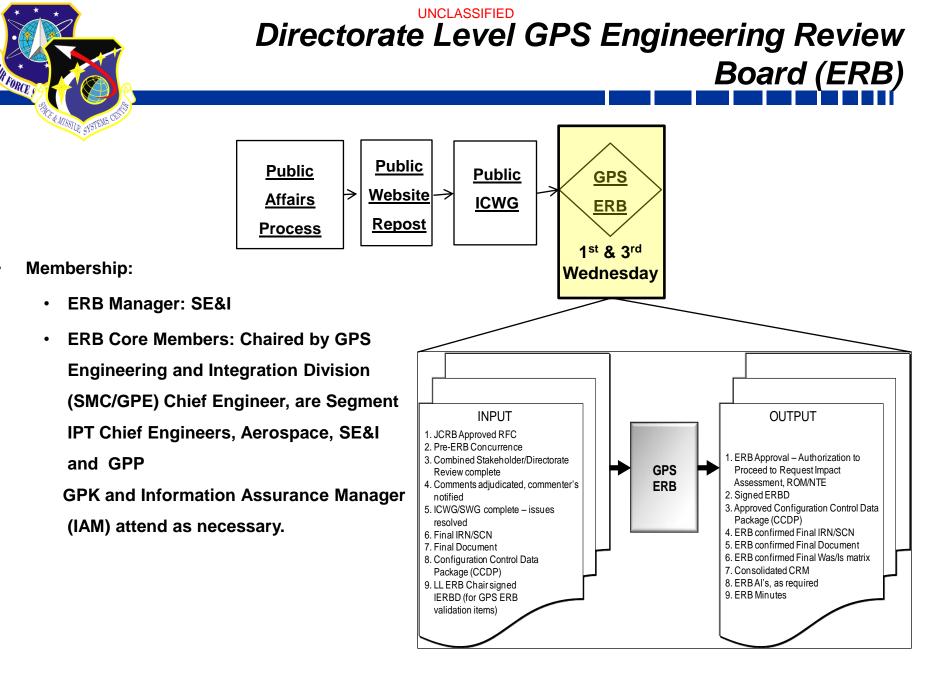
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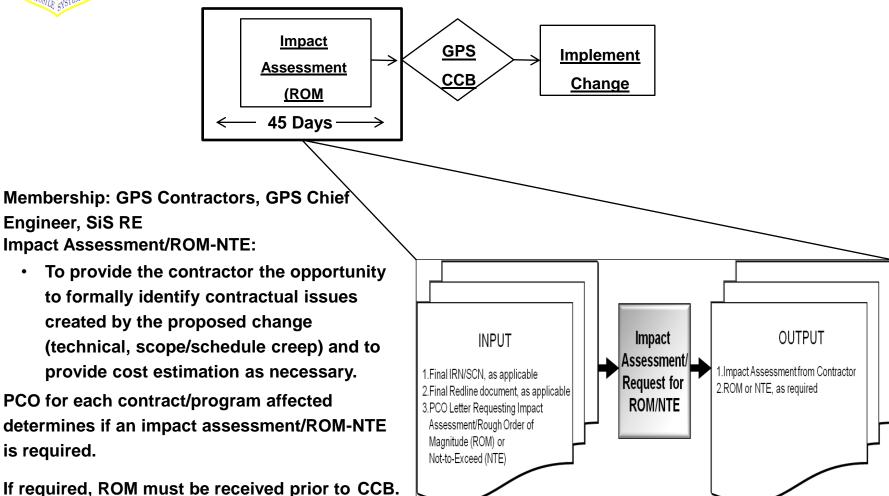
Public Interface Control Working Group (ICWG)



- Membership: Commenter, Precision, Navigation, Timing (PNT Office), Federal Registry
 - Public ICWGs are open to all applicable civilian organizations.
 - Focused specifically on documents that are releasable to the public.
 - Formal ICWG announcement posted on Federal Register.
 - Require additional coordination of documentation through the Federal Register, SMC and GPS Public Affairs prior to posting to websites at <u>http://www.gps.gov</u> and http://www.navcen.uscg.gov
 - Formal announcement posted on Federal Register.



Impact Assessment/ Rough Order of Magnitude (ROM)



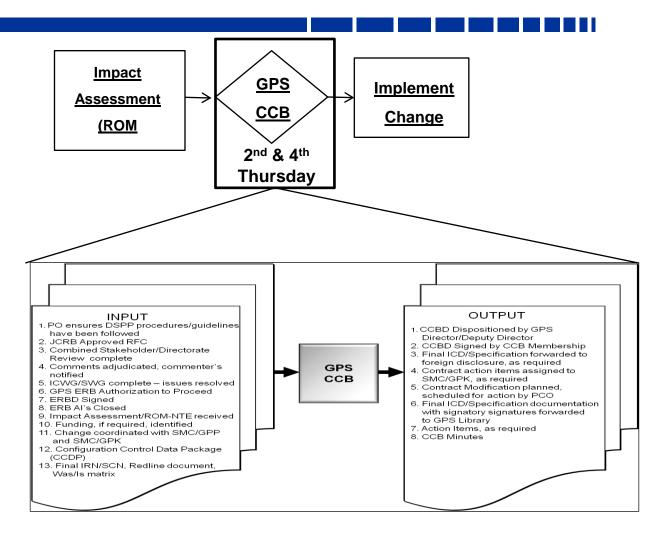


Configuration Control Board (CCB)

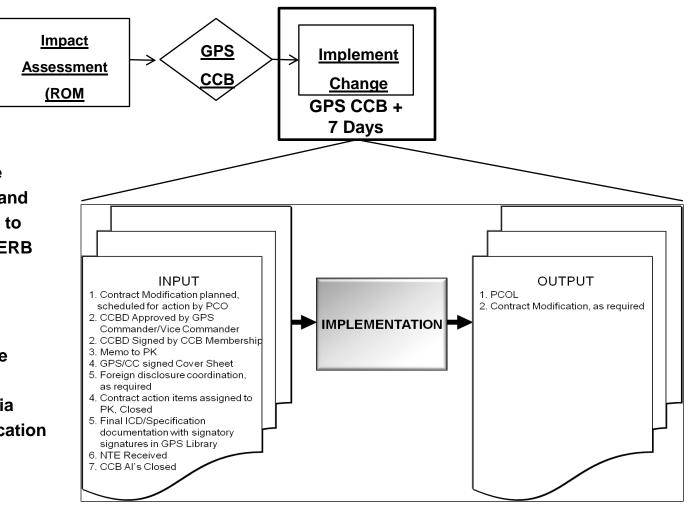
• Membership:

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- CCB Manager: SE&I
- CCB Core Members: Segment IPTs AFSPC/A5P, AFSPC, Aerospace, GPP, GPK and IAM
- GPS CCB reviews the benefits, impacts and risks associated with a proposed change, with primary focus on the programmatic aspects.
- Verify technical issues have been addressed/resolved, cost impacts understood and funding is available and that schedule is maintained.



Implement Change



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- Membership:
- Upon completion of the previous three phases and receipt of authorization to proceed from the GPS ERB and CCB, or LL CCB, changes may be implemented.
 - Upon CCB approval, the contractor is formally notified of the results via PCOL / contract modification with attached documentation.