

STATION PROCEDURES

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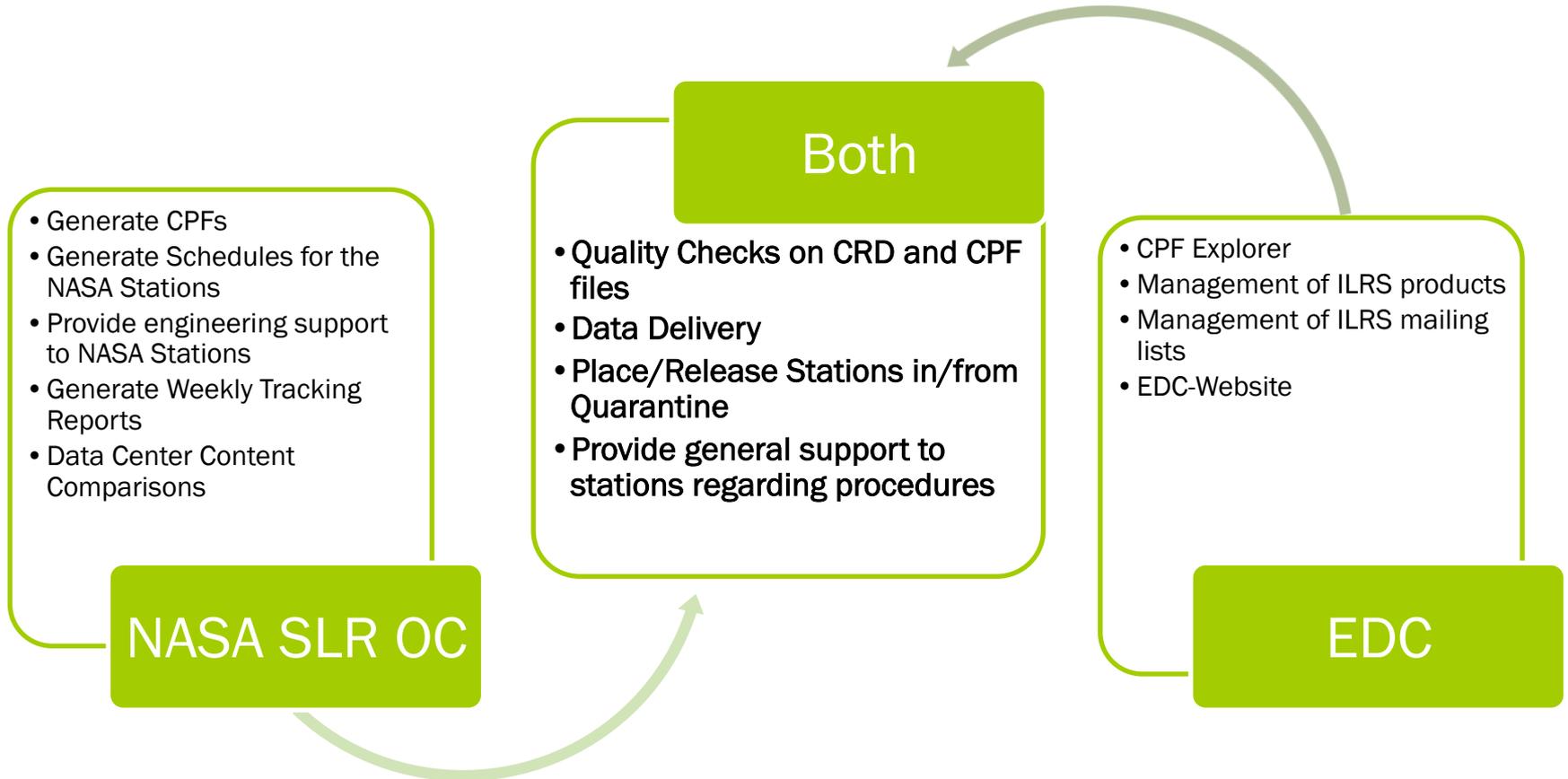
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OVERVIEW

- Roles and Responsibilities
 - Quality Check
 - Data Replacement
 - Station Change Procedures + Quarantine
 - Restricted Tracking Procedures
 - Contact Information
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ROLES AND RESPONSIBILITIES

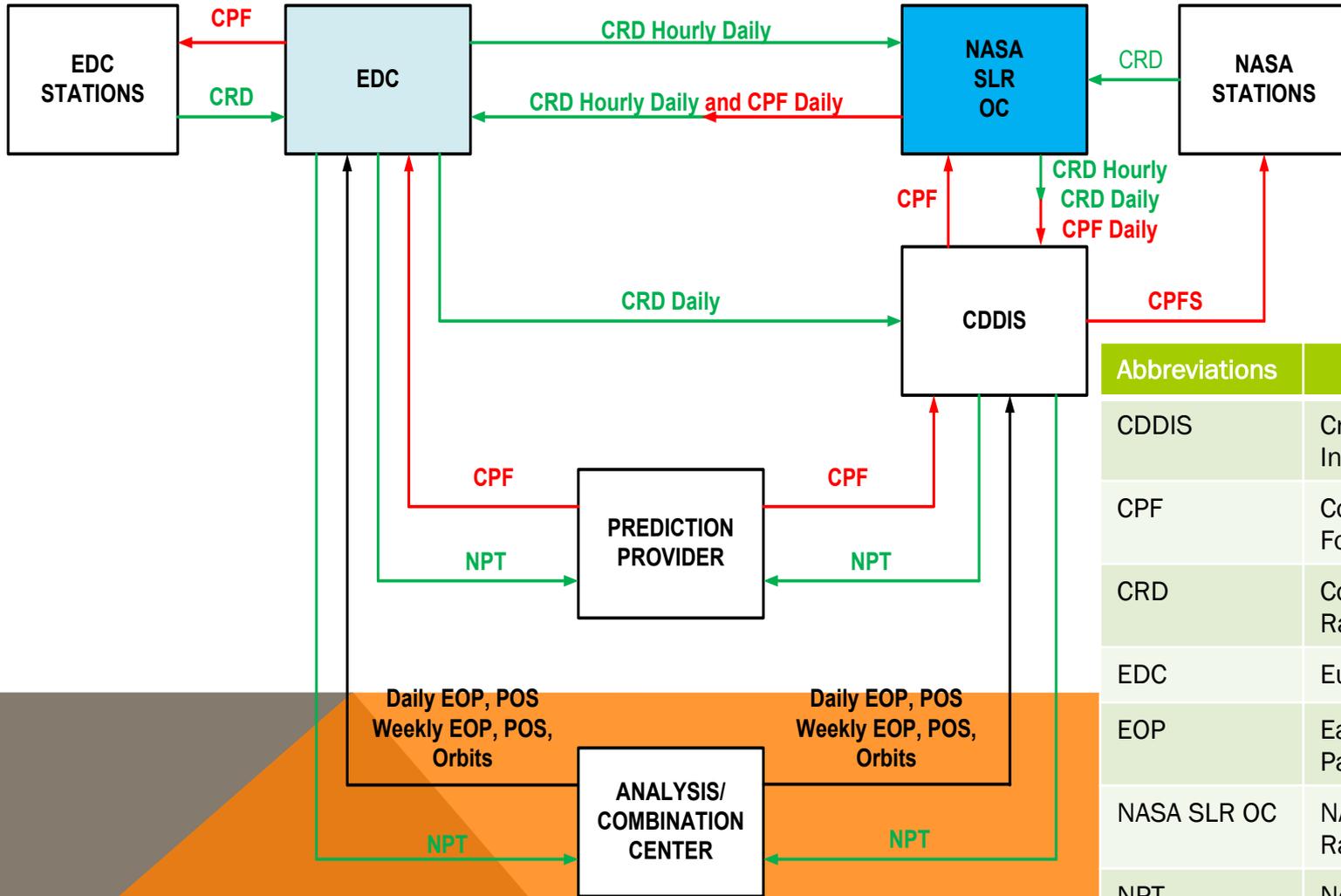


QUALITY CHECKS

CRD format

- Specifications: http://ilrs.gsfc.nasa.gov/docs/2009/crd_v1.01.pdf
- NPT Format and Data Integrity:
http://ilrs.gsfc.nasa.gov/data_and_products/data/npt/format_and_data_integrity.html
- Format checks at the ILRS OCs
<http://edc.dgfi.badw.de/en/oc/crd/>

DATA FLOW



Abbreviations	
CDDIS	Crustal Dynamics Data Information System
CPF	Consolidated Prediction Format
CRD	Consolidated Laser Ranging Data Format
EDC	Eurolas Data Center
EOP	Earth Orientation Parameters
NASA SLR OC	NASA Satellite Laser Ranging Operation Center
NPT	Normal Point
POS	Station Positions

NPT DATA REPLACEMENT

WITHIN 30 DAYS OF DATE OF DATA

- **Increase the release flag (in the H4 Record) and resupply**

Example:

h1 CRD 1 2014 9 24 0

h2 YARL 7090 5 13 3

h3 ajisai 8606101 1500 -1 0 1

h4 1 2014 9 18 16 18 39 2014 9 18 16 33 51 **1** 0 0 0 1 0 2 0

AFTER 30 DAYS - APPROVAL NEEDED

- **Contact the ILRS CB prior to replacing data**
- **Do not release the data until the CB has establish how the effort will take place**
- **Once archived, issue a notification email**

STATION DOWN

Use SLR Mail exploder (slrmail@dgfi.badw.de) to announce station down

- Planned: Email a week prior to changes
- Unplanned: Email ASAP

To Ensure delivery, follow instructions on:

http://ilrs.gsfc.nasa.gov/about/contact_ilrs/slrmail.html

STATION CHANGE PROCEDURES

1 Week Prior - Notify the ILRS CB and both OCs

Update and submit the following files if applicable:

- Site Log
- Station Configuration History Log
- CRD Data Configuration Records

If Quarantine Required:

- Only send data after the designated OC has validated that it has the station in quarantine
- AWG analyzes quarantine data: requires a total of 20 good passes from LAGEOS-1 and -2, or LARES within a 60-day sliding window for approval
- Once a station is approved: AWG will notify the analysts, stations, and OCs to remove the station from quarantine

QUARANTINE

Who:

- New Stations, joining the network for the first time
- Stations carrying out:
 - Major H/W or S/W upgrade
 - Any upgrade that may affect the data integrity
 - Changes in their system's measurement path (description in welcome packet)
- Stations that have not delivered data in 90 days
- Stations that request to be placed in quarantine

POINTS OF CONTACT

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SLR Mail Exploder

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