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CSEP Process Walkthrough

September 2016

Version Control

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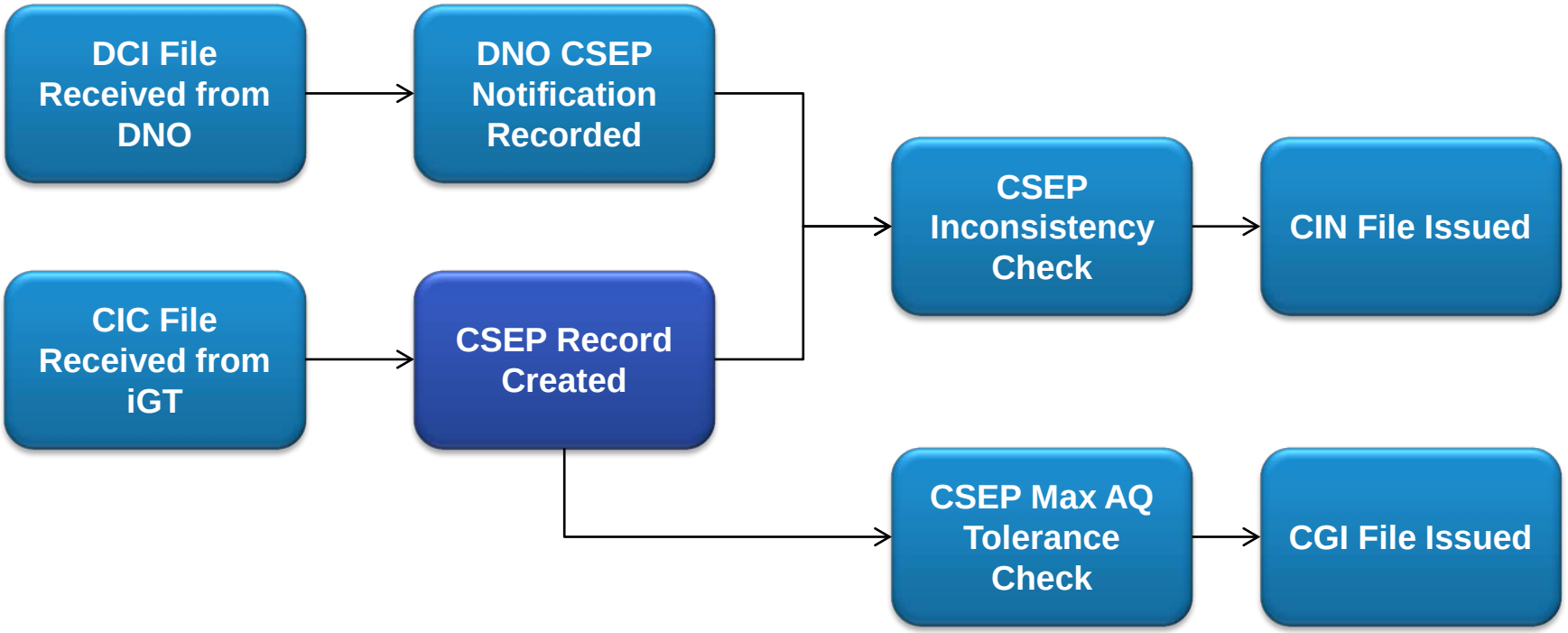
Version	Date	Summary of Change
1.0	01-Sep-2016	**Approved**
1.2	01-Oct -2016	**Approved (addition slide IMC)**
1.2	**01-Oct-2016**	**Approval**

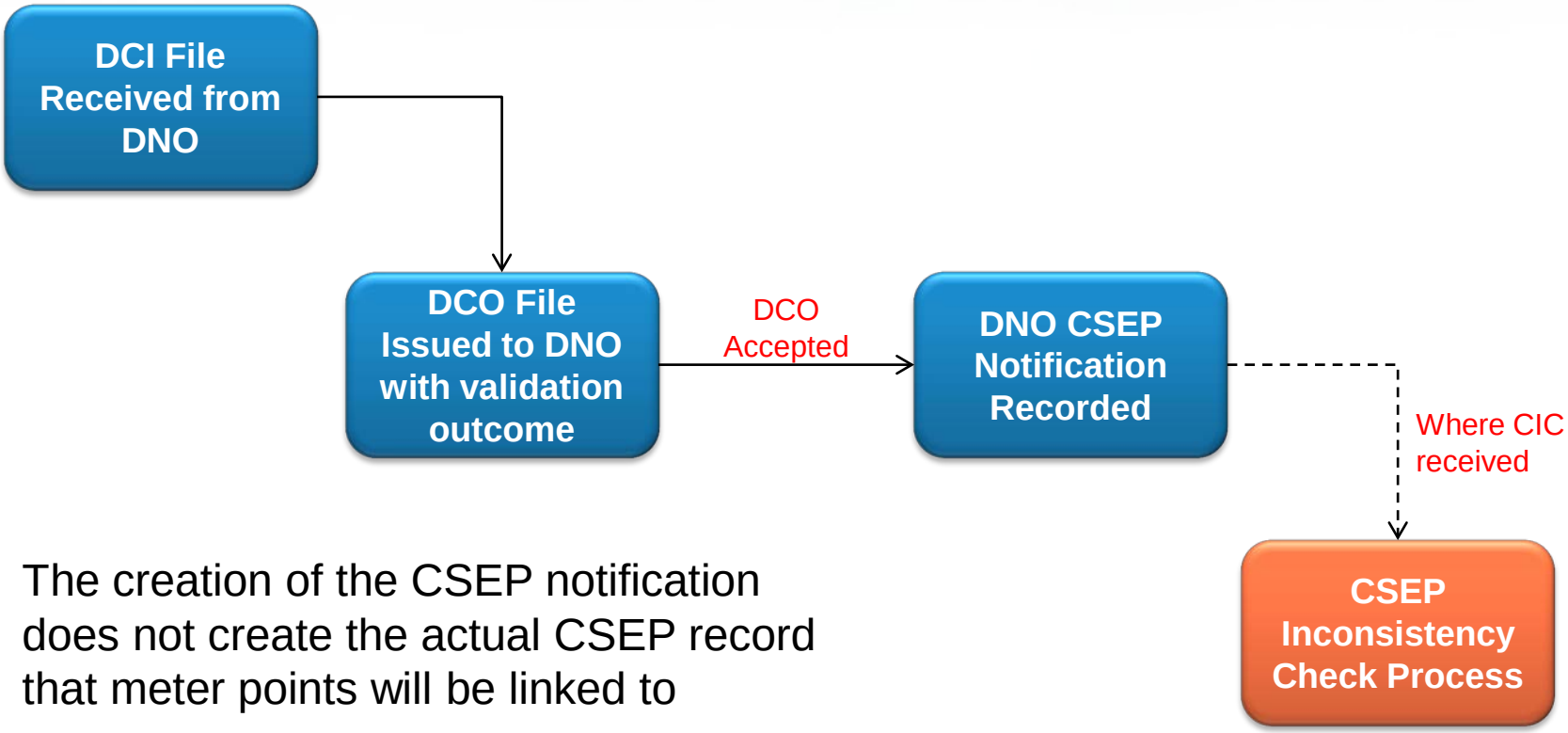
CSEP Process Overviews

- DNO CSEP Notification Process
- iGT CSEP Creation Process
- CSEP Inconsistency Process
- CSEP AQ Tolerance Check Process
- DNO CSEP Update Notification Process
- iGT CSEP Amendment Process

High Level CSEP Creation Process Overview

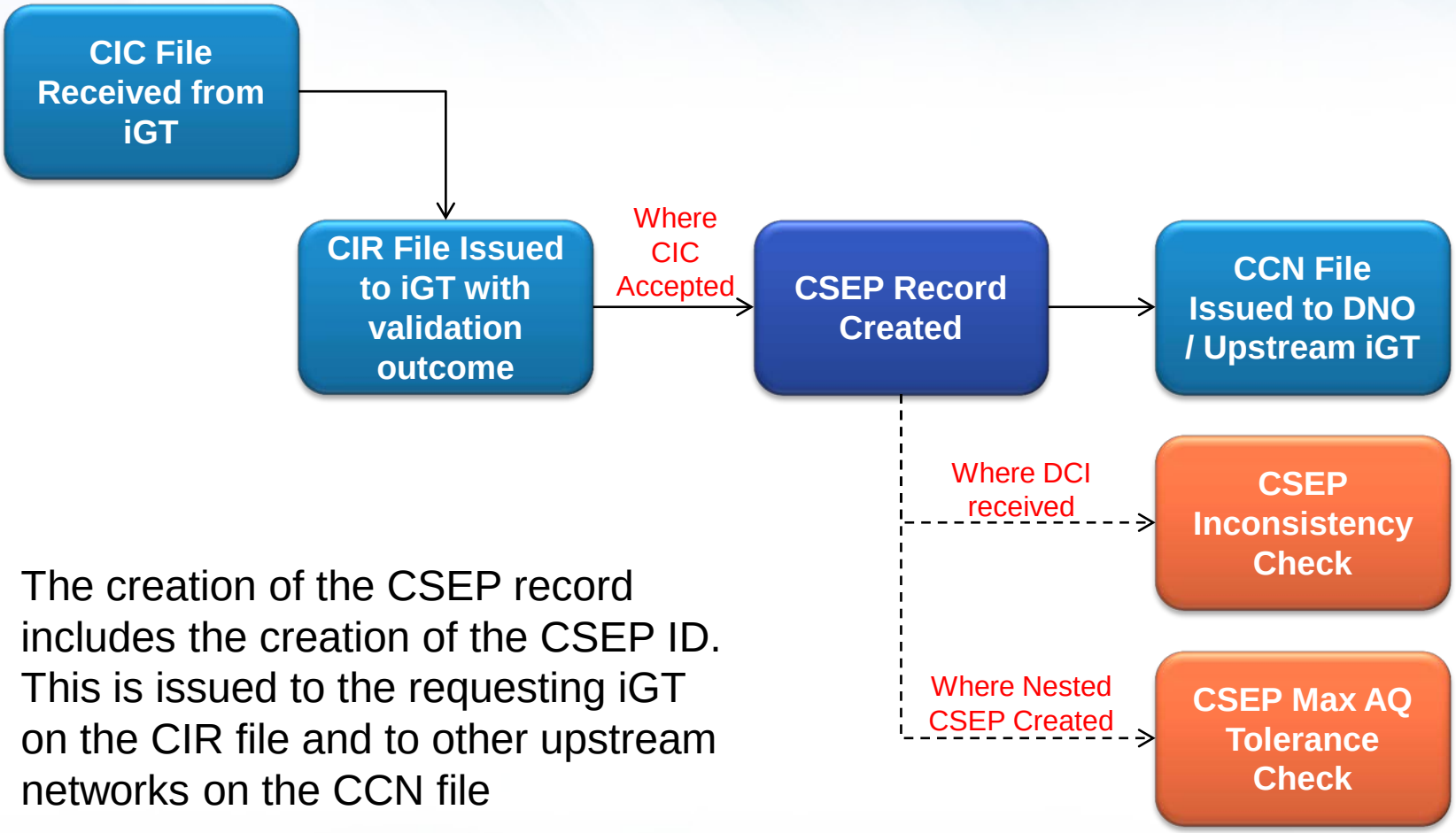


DNO CSEP Notification Process Overview



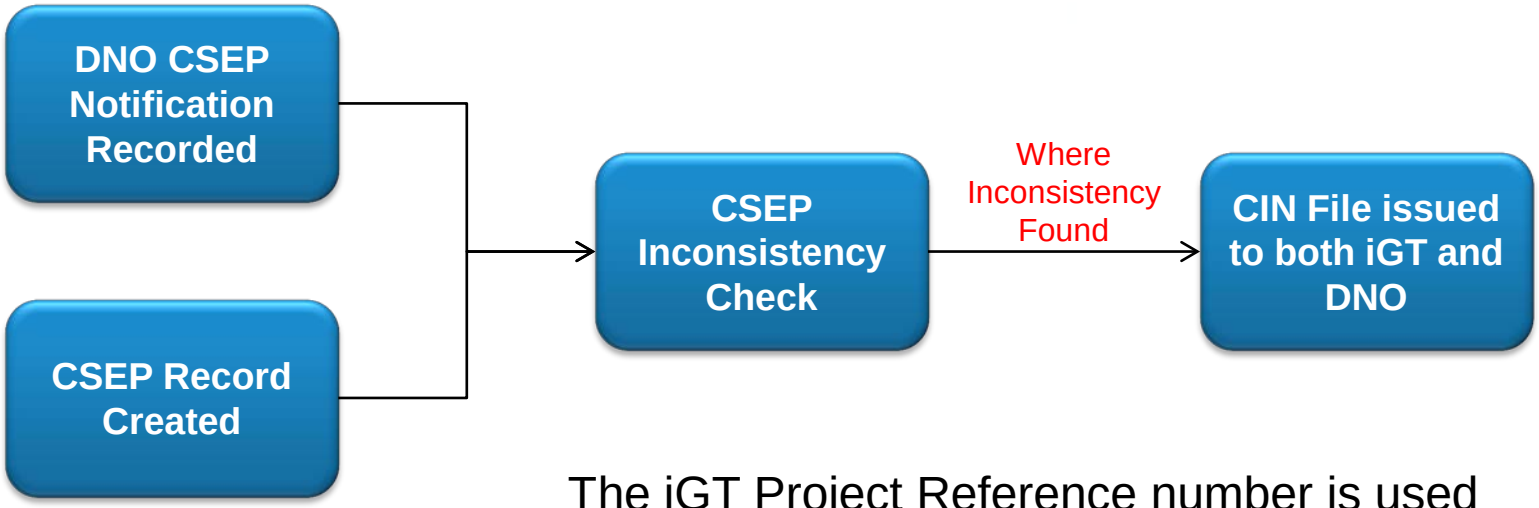
The creation of the CSEP notification does not create the actual CSEP record that meter points will be linked to

iGT CSEP Creation Process Overview



The creation of the CSEP record includes the creation of the CSEP ID. This is issued to the requesting iGT on the CIR file and to other upstream networks on the CCN file

CSEP Inconsistency Process Overview



The iGT Project Reference number is used as the identifier to link to DNO and iGT records. If no related record found then the inconsistency process is not triggered and no CIN file would be issued. Where the two CSEP records match no CIN file is issued.

CSEP Inconsistency Notification

Consistency check against the data supplied from the IGT (CIC) and the DNO (DCI).

Both files/datasets need to recorded to enable the inconsistency validation to be performed.

The IGT Project reference is always used to identify and link the two records.

Amendments to the CSEP data would also trigger a CIN if any discrepancies are identified.

CUN and CCN files are triggered to all relevant upstream IGTs and to the DN0.
The CIN will only not be issued to upstream IGTs. Its issued to only the IGT who has created the CSEP and the relevant DNO

CSEP File processing times

CIC: Three times per day - 07:00, 12:00 and 19:00

CAI: After the completion of CIC

DCI: Twice a day - 12:00 and 19:00

CIN: 22:00

Please note that these timings are the proposed start time of the jobs within our system so might be subject to change.

CSEP Inconsistency Notification

All data items will be compared to identify inconsistencies:

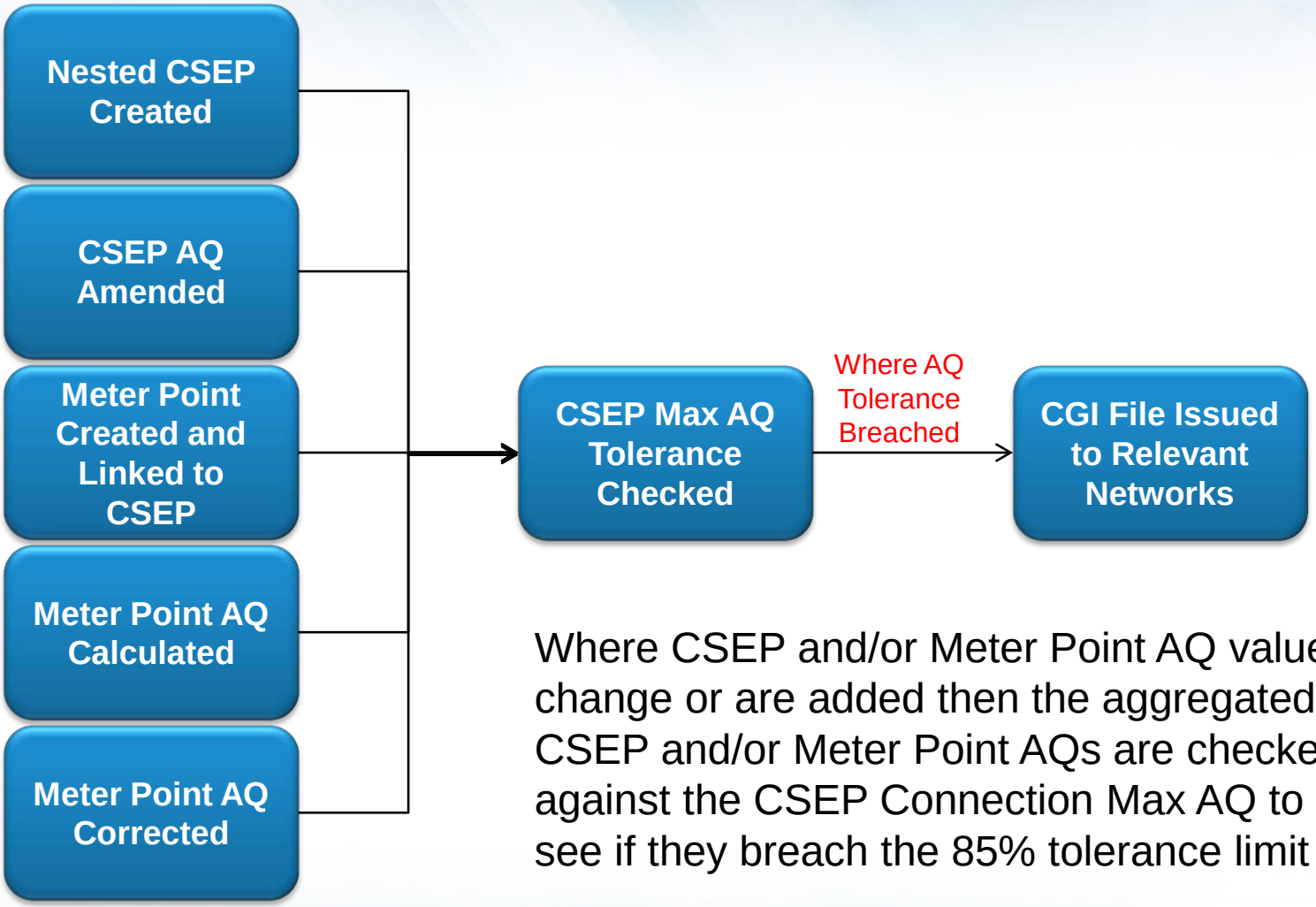
If multiple amendments are submitted in a single day there will only be a single CIN file issued if after processing a mismatch has been identified.

Inconsistency's will be notified where any data that has been supplied within one file (CIC) and not replicated in the other (DCI or visa versa).

The variation of Case within data items will not create an exception

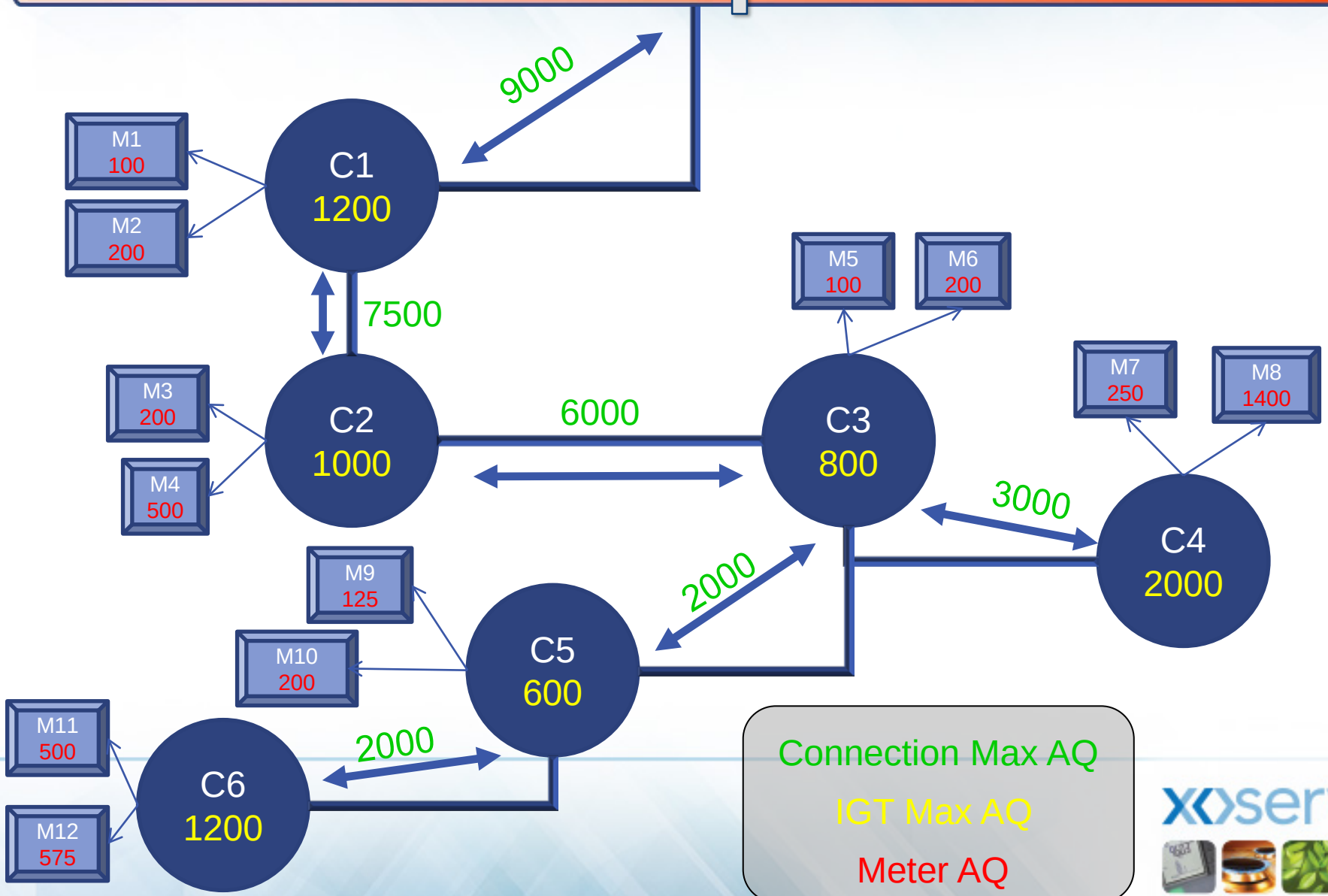
The CIN will contain the data that has been identified as being inconsistent. The exception being that mandatory data items will also be included.

CSEP AQ Tolerance Check Process Overview



Where CSEP and/or Meter Point AQ values change or are added then the aggregated CSEP and/or Meter Point AQs are checked against the CSEP Connection Max AQ to see if they breach the 85% tolerance limit

DNO Pipeline



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AQ Tolerance Check Rules

- **Rule1: Aggregated AQ for CSEP < 85% of IGT system Max AQ**
- *Ex: At C3 level*
- Aggregated AQ is sum of SMP AQ(100+200=300)
- IGT system Max AQ is 800 and 85%*800 is 680
- 300 < 680. Hence Tolerance check is not breached

- **Rule2: IGT system Max AQ < 85% of Connection Max AQ**
- *Ex: At C3 level*
- IGT system Max AQ at C3 is sum of all child CSEP AQ's (C3,C4,C5,C6)
- (800+2000+600+1200=4600)
- Connection Max AQ is 6000 and 85%*6000 is 5100
- 4600 < 5100. Hence Tolerance check is not breached

- **Rule3: Total SMP AQ for CSEP connection < 85% of Connection Max AQ**
- *Ex: At C3 Level*
- Sum of Aggregated SMP AQ for all child CSEP's for C3 connection(100+200+250+1400+125+200+500+575=3350)
- Connection Max AQ is 6000 and 85%*6000 is 5100
- 3350 < 5100. Hence Tolerance check is not breached

AQ Tolerance Check Rules

- **Values to be populated in CGI notification:**

- *At CSEP C3 level*:
- Connection Max AQ = 6000
- Total SMP AQ for CSEP connection = 3350
- %Breach connection max AQ = 5100
- IGT System Max AQ = 800
- Aggregated AQ for CSEP id = 300
- %Breach system max AQ = 680

- Open Points: With regards to connection Max AQ tolerance breaching, If the connection Max AQ breaching happens in both rule 2 and rule3 at CSEP C3 Level then how will IGT identifies whether the CGI notification is for Connection Max AQ breaching in rule2 or Connection Max AQ breaching in rule3 .

DNO Pipeline

CSEP DB Max AQ 18,822,366
Total SMP AQ 18,573,849

C1
K5334302
Max AQ15,862,607
IGT AQ 14,249,134
SMP AQ 13,229,113

C2
K8238007
Max AQ15,862,607
IGT AQ 1,088,130
SMP AQ 1,088,130

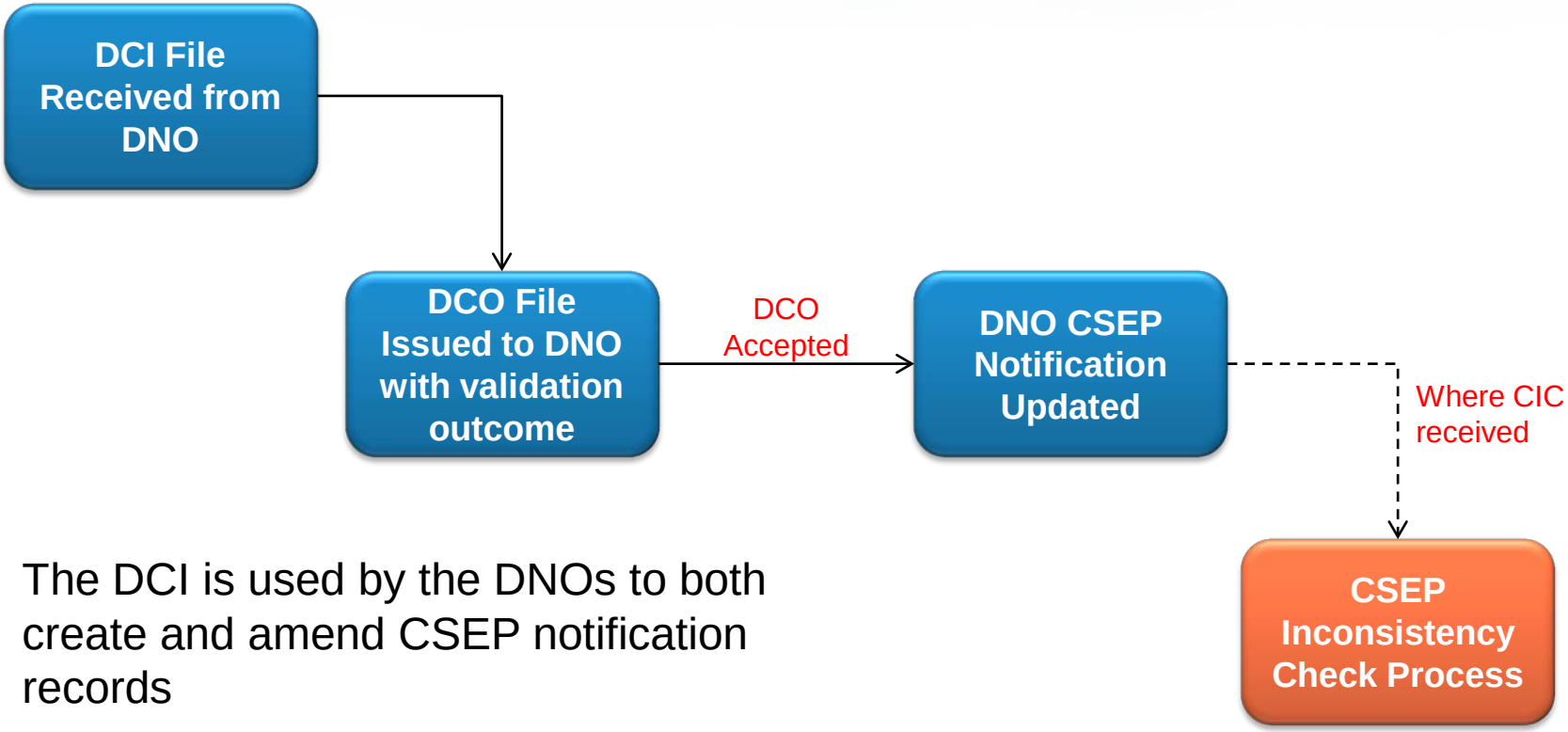
C3
L4350407
Max AQ1,582,670
IGT AQ 212,430SMP
AQ 212,430

C4
K1078110
Max AQ 2,547,056
IGT AQ 2,338,557
SMP AQ 1,705,619

C5
K9300810
Max AQ12,074,280
IGT AQ 12,074,280
SMP AQ 2,338,557

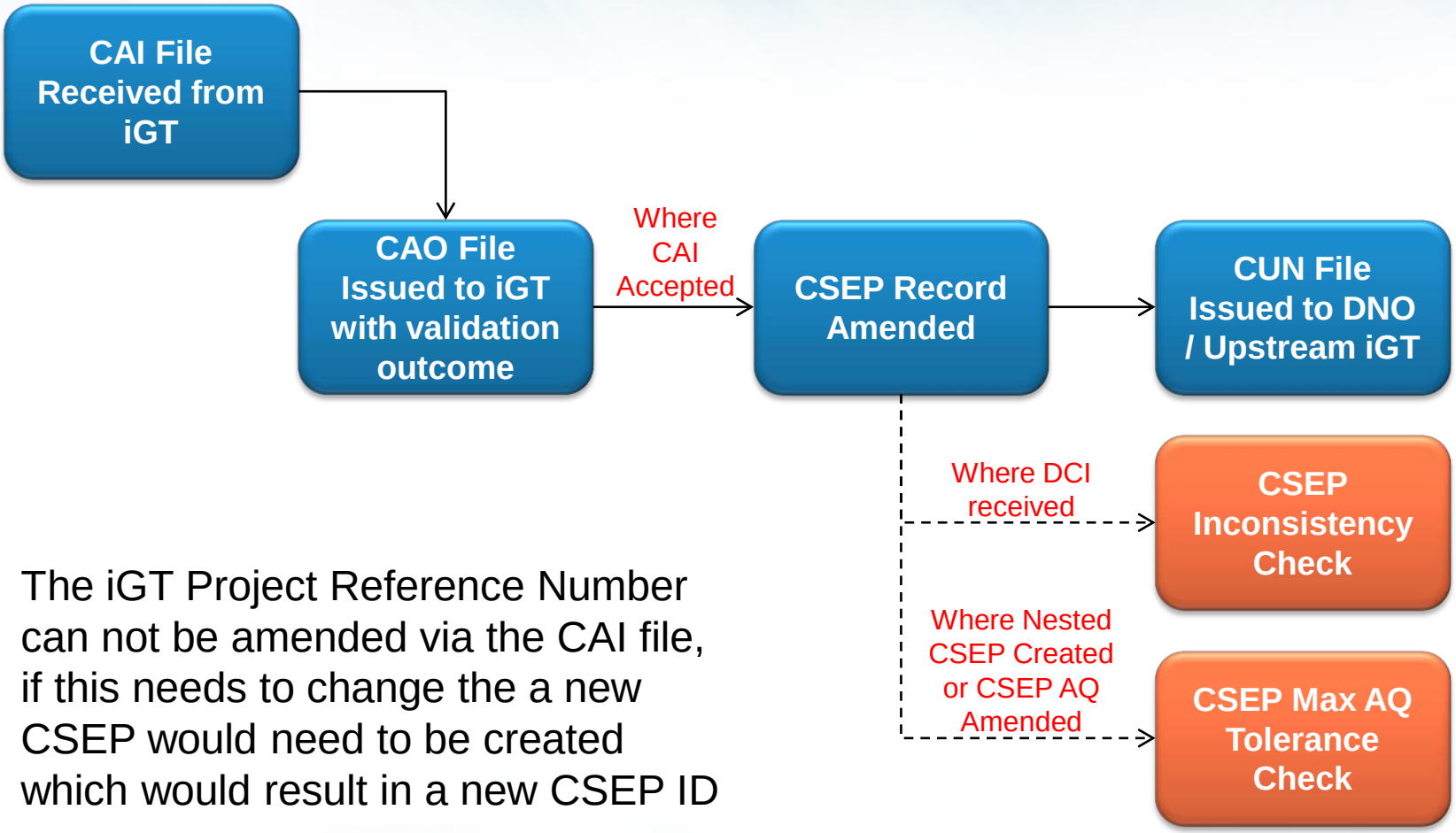
Total IGT System Max AQs 29,962,531

DNO CSEP Update Notification Process Overview



The DCI is used by the DNOs to both create and amend CSEP notification records

iGT CSEP Amendment Process Overview



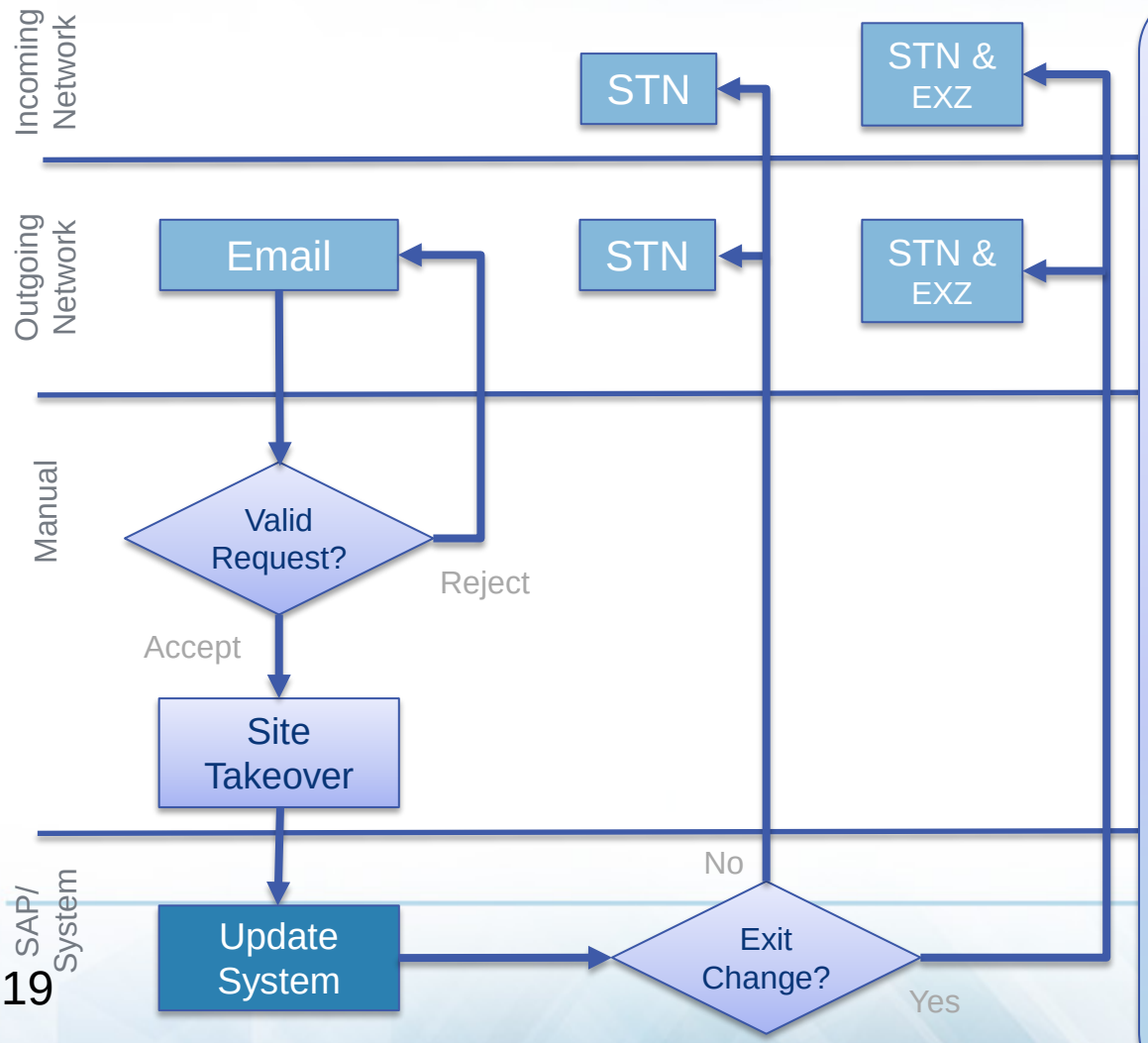
The iGT Project Reference Number can not be amended via the CAI file, if this needs to change the a new CSEP would need to be created which would result in a new CSEP ID

Site Transfer Of Ownership

- Where an iGT wishes to acquire a CSEP with no Supply Meter Points attached, the owner of the CSEP will need to issue a CAI to cancel. The new owner will then need to send a CIC to create a new CSEP in accordance with previous slides.

- Where an iGT wishes to acquire a CSEP with Supply Meter Points, the STN process will need to be utilised.

Site Transfer Of Ownership



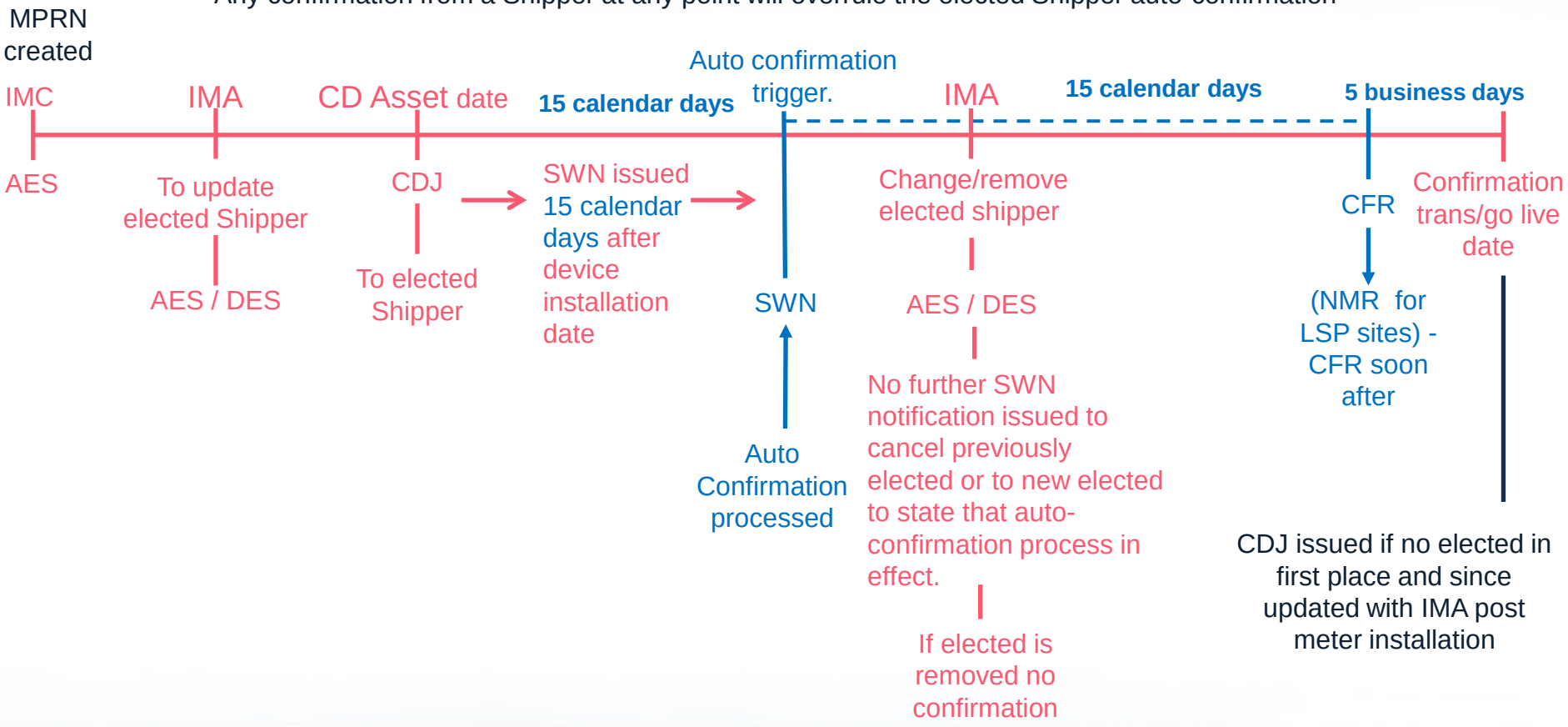
- GTs or IGTs send email request to Xoserve.
- The user will validate the request. Invalid requests are rejected over email.
- A minimum of two days is required for site takeovers to enable Gemini to be updated. The supply scenario is updated for the transfer date.
- Once executed, a background job updates the SMP and issues the STN file to both incoming and outgoing Network. So, if a site is going from iGT to GT, then request comes from GT but notification goes to all.
- If the changes result in changes to the exit zone, the EXZ file is also issued.

STN File Recipients

Scenario number	Scenario description	Participant	Segments in STN
1	IGT to IGT – Full CSEP	Current IGT	U76
		New IGT	U76/U79
		Shipper	U76/U79
		Upstream IGT	U76
		DNO	Email
2	IGT to IGT – Selected Meter Points	Current IGT	U76/U79
		New IGT	U76/U79
		Shipper	U76/U79
		Upstream IGT	U76
3	IGT to DNO – Full CSEP	Current IGT	U76
		New DNO	U76/U79
		Shipper	U76/U79
		Upstream IGT	U76
4	IGT to DNO – Selected Meter Points	Current IGT	U76/U79
		New DNO	U76/U79
		Shipper	U76/U79
		Upstream IGT	U76
5	DNO to IGT	Current DNO	U76/U79
		New IGT	U76/U79
		Shipper	U76/U79
		Upstream IGT	U76

IMC Process Mapping

Any confirmation from a Shipper at any point will overrule the elected Shipper auto-confirmation*



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