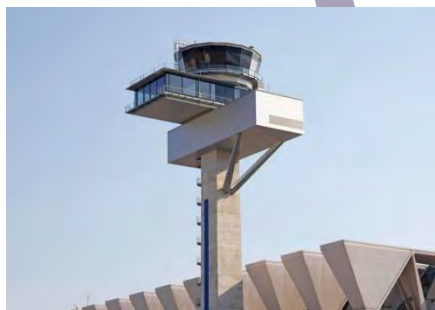




Airport CDM @ FRA



Alerting





During the entire A-CDM process alerts may be generated.

Within the process alerts are initiated by:

- *Local events and plausibility checks*
- *Error / warning messages during data exchange with NMOC*





The colour scheme of alert icons will let you know:

Whether the A-CDM process for a flight will immediately be stopped or interrupted (🙄),

the process continues but the existing conflicts have to be solved (😐)

or

if they are warning messages (😬) that if ignored will lead to consequences at a later time.





Reporting channels for alerting messages to Aircraft Operators (AO) and Groundhandlers (GH) are:

- **via E-Mail**
- **via CSA Tool (not CDM01)**

CSA Tool and Alert E-mail application forms are available on the A-CDM Homepage (www.cdm.frankfurt-airport.com).

A-CDM Alerts and alert numbers are harmonised on European level.





A-CDM@ FRA alerts:

- ☹️ CDM01 – No Airport Slot available, or Slot already correlated
- ☹️ CDM02 – SOBT vs. EOBT discrepancy
- ☹️ CDM03 – Aircraft Type discrepancy
- ☹️ CDM04 – Aircraft Registration discrepancy
- ☹️ CDM05 – Destination discrepancy
- 😬 CDM07 – EIBT + MTTT discrepancy with EOBT
- 😬 CDM07a – EIBT + MTTT discrepancy with TOBT
- ☹️ CDM08 – EOBT compliance Alert
- ☹️ CDM09 – Boarding not started
- ☹️ CDM10 – TOBT rejected or deleted
- ☹️ CDM11 – Flight not compliant with TOBT / TSAT
- ☹️ CDM13 – No ATC Flight Plan available
- ☹️ CDM14 – Automatic TOBT generation not possible
- ☹️ CDM17 – TTOT within night flying restriction
- ☹️ CDM34 – Return To Stand notification
- ☹️ CDM40 – Flight not compliant with TOBT for deicing
- ☹️ CDM43 – Deicing cancelled and TOBT deleted



General layout of A-CDM alerts:

Flight ID [ARCID]/[FLN]

Alert Code [CDMxx]

Timestamp [YYMMDDHHMM] UTC

Origin [DEP]/[ADEP] = [FRA]/[EDDF]

Inconsistency string [TEXT]

Action to take string [TEXT]

Consequences string [Note: TEXT]



CDM01 – No Airport Slot available, or Slot already correlated (1)

FLT ID/CDM01/Timestamp/Origin

Airport Slot SOBT [HHMM] UTC not available or Slot already correlated.

Immediate update of ATC Flight Plan EOBT [HHMM] UTC or request new Airport Slot.

Note: The Airport CDM process will be suspended until reception of your rectification.

Correlation of ATC Flight Plan with Airport Slot:

EOBT available?

SOBT available?

Process will be stopped issue of alerting message CDM01

Consequence:

Airport Slot coordination by AO/GH





CDM01 – No Airport Slot available, or Slot already correlated (2)

Ghost Flight Plan:

1 flight (1 Airport Slot), several ATC Flight Plan



Process will be stopped → issue of alerting message CDM01

Consequence:

AO/GH deletes surplus ATC Flight Plan (CNL)



CDM02 – SOBT vs. EOBT discrepancy

FLT ID/CDM02/Timestamp/Origin

ATC Flight Plan EOBT [HHMM] is not consistent with Airport Slot SOBT [HHMM].

Immediate update of Airport Slot or ATC Flight Plan EOBT [HHMM] UTC needed.

Flight Plan verification (deviance SOBT vs. EOBT):

Do SOBT and EOBT match up? 

Process will not be stopped  issue of alerting message CDM02

Consequence:

Adaption of SOBT or EOBT by AO/GH



CDM03 – Aircraft Type discrepancy

FLT ID/CDM03/Timestamp/Origin

Aircraft Type inconsistency between ATC flight plan [ARCTYP] and Airport Database [TYP].

Immediate update of ATC Flight Plan or Airport Database is needed.

Note: The Airport CDM process will not be suspended but start-up / push back clearance will not be granted until discrepancy is resolved.

Flight Plan verification (deviance ARCTYP):

Do ARCTYP (FPL) and ARCTYP (airport database) match up?



Process will not be stopped ➡ issue of alerting message CDM03

Consequence:

Resolution of discrepancy usually by Airport Traffic Operation Center





CDM04 – Aircraft Registration discrepancy

FLT ID/CDM04/Timestamp/Origin

Aircraft Registration inconsistency between ATC flight plan [REG/NO REG] and Airport Database [REG/NO REG].

Immediate update of ATC Flight Plan or Airport Database is needed.

Note: The Airport CDM process will not be suspended but start-up / push back clearance will not be granted until discrepancy is resolved.

Flight Plan verification (deviance REG):

Do REG (FPL) and REG (airport database) match up? 

Process will not be stopped → issue of alerting message CDM04

Consequence:

**Possible consultation with AO/GH after verification by
Airport Traffic Operation Center**



CDM05 – Destination discrepancy

FLT ID/CDM05/Timestamp/Origin

Destination inconsistency between ATC flight plan [ADES] and Airport Database [DEST].

Immediate update of ATC Flight Plan or Airport Database is needed.

Note: Please Clarify with Airport Traffic Operation Center Tel. +49 69 71740.

Flight Plan verification (deviance ADES vs. routing in airport database):

Do ADES (FPL) and routing (airport database) match up? 

Process will not be stopped  issue of alerting message CDM05

Consequence:

Call Airport Traffic Operation Center





CDM07 – EIBT + MTTT discrepancy with EOBT

FLT ID/CDM07/Timestamp/ADEP

EIBT [HHMM] of inbound FLT ID [ARCID/FLN] + MTTT [HHMM] is not consistent with outbound ATC Flight Plan EOBT [HHMM]. Check outbound flight and ATC flight plan and update if required.

Note: This is an advisory alert only and this flight requires monitoring as the outbound flight may be delayed.

Verification EIBT+MTTT vs. EOBT:

Is the result EIBT+MTTT larger than EOBT? ✓

Process will not be stopped ➡ issue of alerting message CDM07

Consequence:

Update of ATC Flight Plan EOBT by AO/GH





CDM07a – EIBT + MTTT discrepancy with TOBT

FLT ID/CDM07a/Timestamp/ADEP

EIBT [HHMM] of inbound FLT ID [ARCID/FLN] + MTTT [HHMM] is not consistent with outbound TOBT [HHMM]. Check outbound flight and TOBT and update if required.

Note: This is an advisory alert only and this flight requires monitoring as the outbound flight may be delayed.

Verification EIBT+MTTT vs. TOBT:

EIBT+MTTT differs by more than 5 minutes from TOBT? ✓

Process will not be stopped → issue of alerting message CDM07a

Consequence:

Update of TOBT by unit responsible for TOBT





CDM08 – EOBT Compliance Alert

FLT ID/CDM08/Timestamp/ADEP

Received TOBT [HHMM] is out of ATC Flight Plan EOBT [HHMM] tolerance window.

Immediate update of ATC Flight Plan EOBT needed.

Note: EOBT and TOBT shall not differ by more than 15 Minutes. The Airport CDM process will not be suspended but start-up / push back clearance may not be granted until discrepancy is resolved.

Deviation of EOBT and TOBT:

Do EOBT and TOBT differ by more than 15min.? ✓

Process will not be stopped → issue of alerting message CDM08

Consequence:

Update of Flight Plan EOBT by AO/GH





CDM09 – Boarding not started

FLT ID/CDM09/Timestamp/ADEP

At TOBT [HHMM] – [xx] minutes boarding was not initiated.

Update TOBT if needed.

Note: The Airport CDM process will not be suspended but start-up / push back clearance may not be granted.

Verification of start of boarding:

Terminalposition: Did boarding commence by TOBT-10min.? 

Outsideposition: Did boarding commence by TOBT-20min.? 

Process will not be stopped  issue of alerting message CDM09

Consequence:

If needed update of TOBT by unit responsible for TOBT





CDM10 – TOBT Rejected or Deleted (1)

FLT ID/CDM10/Timestamp/ADEP

TOBT [HHMM] was rejected or deleted. A new TOBT is required.

Note: The Airport CDM process is suspended until reception of your rectification.

Correction of TOBT:

Can TOBT be met? 

New TOBT is known? 

Consequence:

Deletion of TOBT by unit responsible for TOBT

Process will be stopped  status Standby (SBY)
and issue of alerting message CDM 10

New TOBT is known? 

Consequence:

Renewed entering of TOBT into the system by unit responsible for TOBT





CDM10 – TOBT Rejected or Deleted (2)

Delayed Start-Up or Off-Block Request (TOBT deletion and Standby by TWR):

TSAT window (TSAT -5/+5) expired

Start-Up or Off Block already requested?



TOBT update carried out?



Process will be stopped  issue of alerting message CDM10

Consequence:

Renewed submission of TOBT into the system by unit responsible for TOBT





CDM11 – Flight not compliant with TOBT / TSAT

FLT ID/CDM11/Timestamp/ADEP

Flight not compliant with TOBT [HHMM] / TSAT [HHMM].

This Flight will be re-sequenced on receipt of new TOBT.

Note: The Airport CDM process may be suspended until reception of your new TOBT.

Verification of „Target Off-Block Time“:

Was Start-Up requested until TSAT?



Process will not be stopped ➡ issue of alerting message CDM11

Consequence:

Update of TOBT by unit responsible for TOBT





CDM13 – No ATC Flight Plan Available

FLT ID [NO ARCID]/CDM13/Timestamp/ADEP

The ATC flight plan is not available.

Submission of new ATC flight plan is needed.

Note: ATC FPL [ARCID] has been cancelled and the Airport CDM process is suspended.

Deletion of ATC Flight Plan (CNL):

A successfully validated Flight Plan was deleted? ✓

Process will be stopped ➡ issue of alerting message CDM13

Consequence:

Will the flight be continued? ✓

Renewed entry of ATC Flight Plan





CDM14 – Automatic TOBT Generation not possible

FLT ID/CDM14/Timestamp/ADEP

The TOBT could not be automatically generated because it does not match with the associated CTOT [HHMM]. Manual input of TOBT is required.

Note: The Airport CDM process is suspended until reception of your TOBT.

Automatic generation of TOBT for regulated flights:

autoTOBT+EXOT after Slot Tolerance Window (STW)?



Process will be stopped ➡ no assignment of TOBT
and issue of alerting message CDM14

Consequence:

Manual entry of TOBT by unit responsible for TOBT





CDM17 – TTOT within night flying restriction

FLT ID/CDM17/Timestamp/ADEP

TTOT <TIME> UTC AT OR BEYOND <NIGHT CLOSURE TIME> LOCAL.

BE AWARE OF NIGHT FLYING RESTRICTION.

Note: The Airport CDM process will not be suspended but start-up and / or take-off may not be granted.

Flight might be affected by night flying restriction:

The calculated TTOT lies at or beyond 23:00 local time? ✓

Process will not be stopped ➡ issue of alerting message CDM17

Consequence:

AO/GH should try to arrange handling so as to be airborne before night flying restriction





CDM34 – Return to Stand notification

FLT ID/CDM34/TIMESTAMP/ADEP

Flight is returning to stand [POS]. The flight will be suspended when On-block.

Note: To desuspend the flight, new TOBT and EOBT is required.

Flight is returning to parking stand:

The flight is On-block? ✓

Process will be stopped ➡ Flight Suspension will be issued by NMOC
and issue of alerting message CDM34

Consequence:

To de-suspend the flight, new TOBT and EOBT is required.





CDM40 – Flight not Compliant with TOBT for deicing

FLT ID/CDM40/Timestamp/ADEP

Flight not compliant with TOBT [HHMM]. Deicing could not be initiated.

Update of TOBT is needed.

Note: The Airport CDM process may be suspended until reception of your new TOBT.

Begin of deicing on position:

Is the Aircraft ready for de-icing as planned ? 

Process will not be stopped  issue of alerting message CDM40

Consequence:

Update of TOBT by unit responsible for TOBT



CDM43 – Deicing cancelled and TOBT deleted

FLT ID/CDM43/Timestamp/ADEP

Aircraft was not ready for deicing. Deicing is cancelled and TOBT is deleted.

First new TOBT and then new deicing request required.

Note: The Airport CDM process is suspended until reception of your new TOBT.

The Aircraft is not ready for de-icing as planned:

N*ICE decides to remove the vehicles



N*ICE will then delete the ECZT → the departure flight status changes to “Standby” (“SBY”) and issue of alerting message CDM43.

Consequence:

**Renewed submission of TOBT by unit responsible for TOBT
and renewed submission of deicing request by cockpit**





Thank you ✓

Any questions?

