2nd Airport-CDM@FRA forum

Airport
CDM
@
FRA

„procedure“

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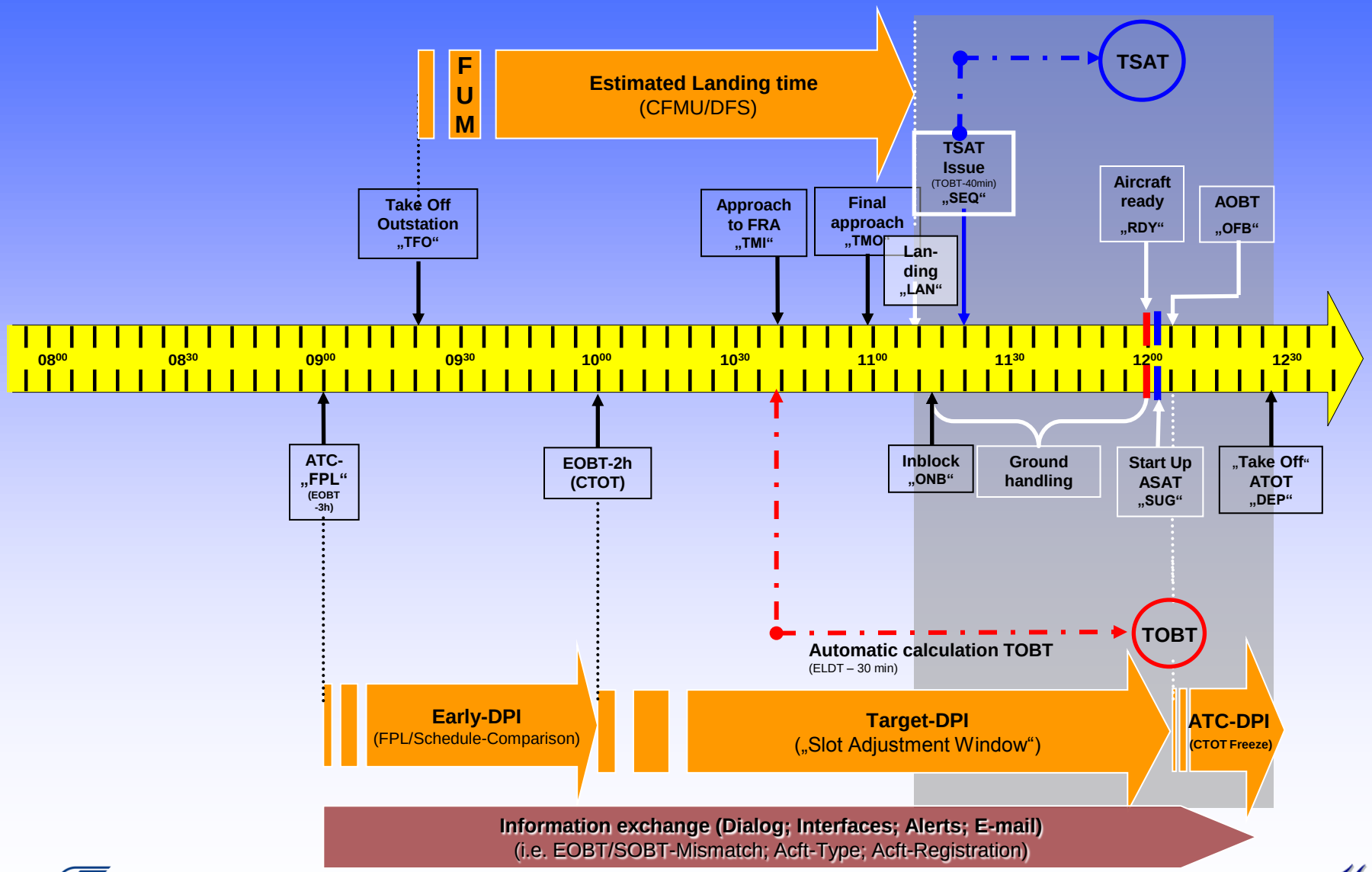
„procedure schema“



Airport CDM

How does the procedure start?

Flightplan Coherency Check

ATC FPL

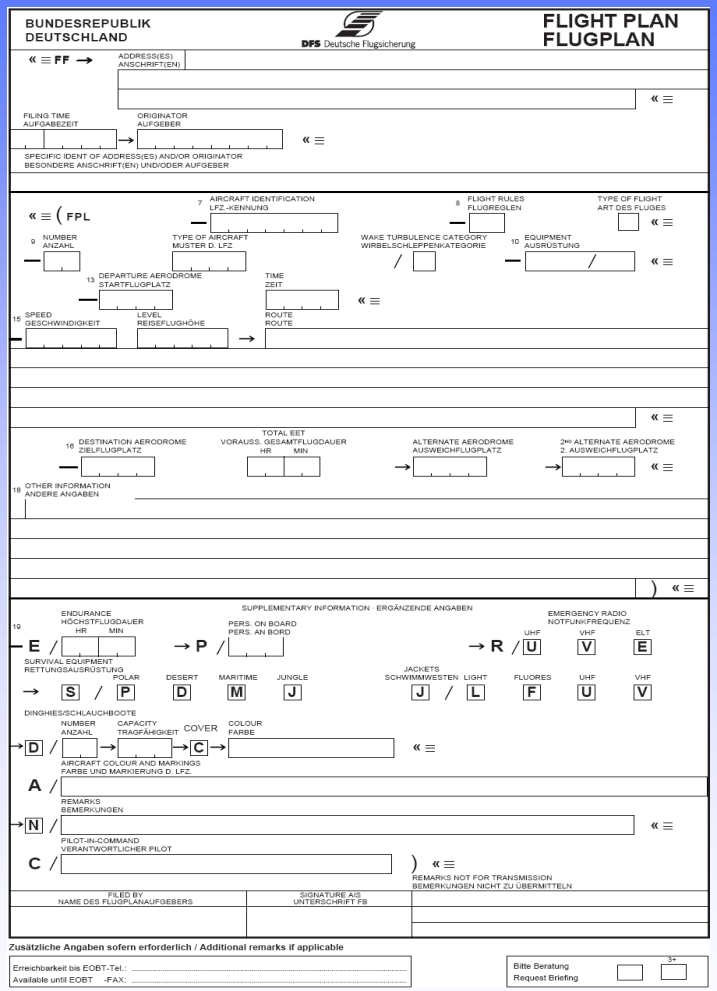
EOBT

REG

ADES

ARCID

ARCTYP



AODB

Airport Slot (SOBT)

Registration

Routing

Flightnumber

Aircraft Type

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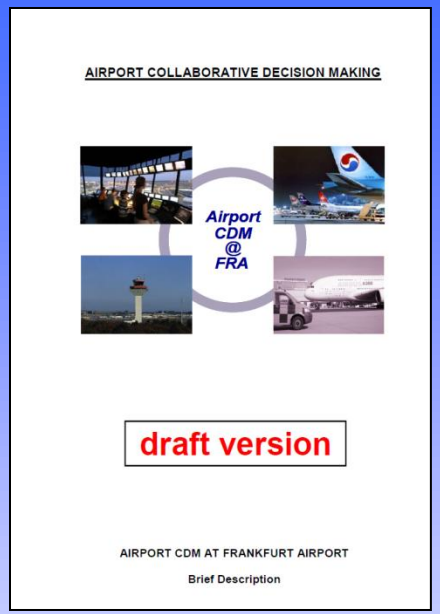
Where will the procedure be published and what does A-CDM need from you?



AIP Germany
EDDF AD 2.20
Local Traffic Regulations

5.1.1 Airport User Regulations

5 Management
5.1 Guidelines for Our Customers 2

G.5.1.4 Airport Operations

TOBT procedure

Delivery of Data

TOBT

MTTT
Minimum Turn Round Time

ASBT
Actual Start Boarding Time

5 Management
5.1 Guidelines for Our Customers 2

G.5.1.7 General Aviation

TOBT procedure

5 Management
5.1 Guidelines for Our Customers 2

5.1.5 Passenger Handling

Begin Boarding

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"Automatic generation of TOBT"

Calculation of the automatically generated TOBT:

Estimated Landing Time -30 min & earliest Estimated Off Block Time -90 min

The plausibility of the automatically generated TOBT:

ELDT	+	EXIT	=	EIBT	+	MTTT	=	EOBT
12:00		00:20		12:20		00:40		13:00 13:10

Automatic TOBT = EOBT

ELDT	+	EXIT	=	EIBT	+	MTTT	=	EOBT
12:00		00:20		12:20		01:00		13:20 13:10

Automatic TOBT = EIBT + MTTT

Other Rules:

~~TOBT~~ → TOBT + EXOT > Slot Tolerance Window of CTOT

TOBT → No generation of an automatic TOBT

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"Example for Alerting during procedure"

No automatically generation of TOBT because the delay was out of the ATC-Slot Tolerance Window:

XYZ1AB/XY123

CDM14

1008230930UTC

FRA/EDDF

Send by E-mail

CSA-Tool

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

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

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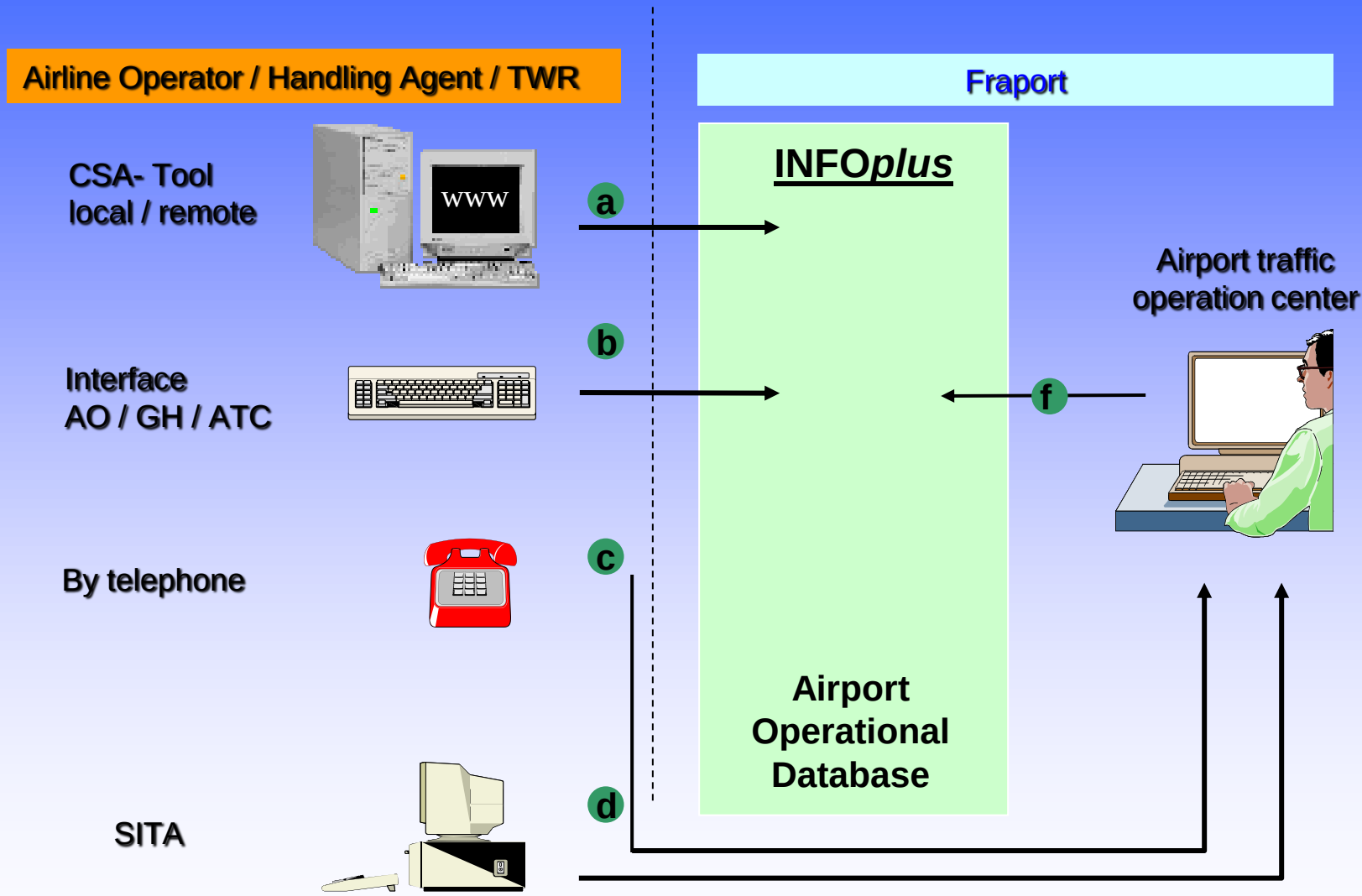
"Communication channels for TOBT"



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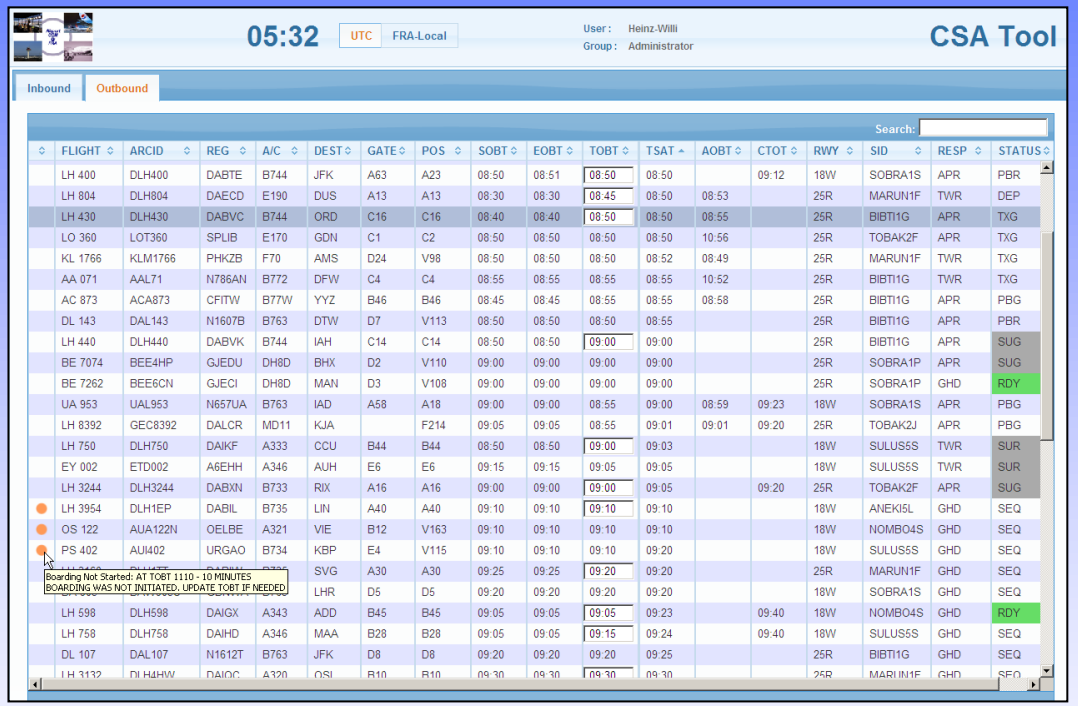
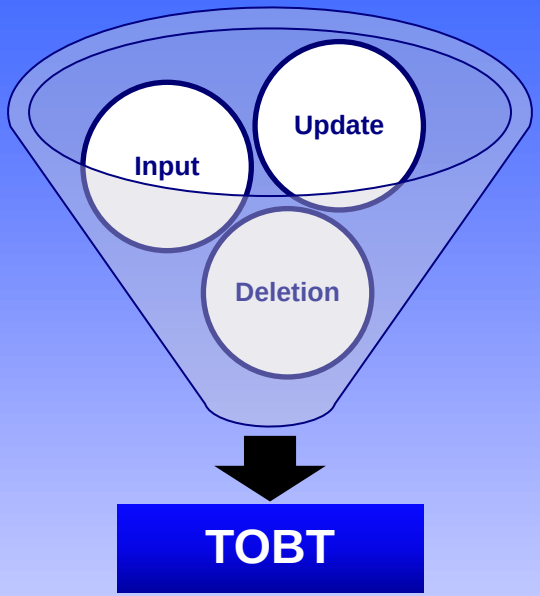
"What can you do to participate"

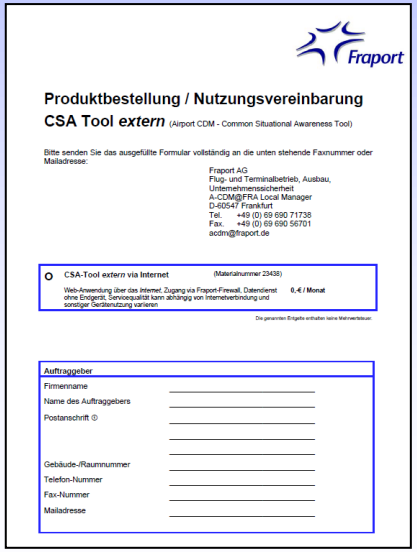
Information Sharing and Common Situational Awareness





A-CDM Alerting

Who is responsible for your TOBT?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Produktbestellung / Nutzungsvereinbarung

CSA Tool *extern* (Airport CDM - Common Situational Awareness Tool)

Bitte senden Sie das ausgefüllte Formular vollständig an die unten stehende Faxnummer oder Mailadresse:

Fraport AG
Flug- und Terminalbetrieb, Ausbau, Unternehmenssicherheit
A-CDM@FRA Local Manager
D-60547 Frankfurt
Tel. +49 (0) 69 690 71738
Fax. +49 (0) 69 690 56701
acdm@fraport.de

O **CSA-Tool *extern* via Internet** (Materialnummer 23438)

Web-Anwendung über das Internet. Zugang via Fraport-Firewall. Datendienst ohne Entgelt. Servicequalität kann abhängig von Internetverbindung und sonstiger Geräteneutzung variieren **0,4 € / Monat**

Die genannten Entgelte enthalten keine Mehrwertsteuer.

Auftraggeber

Firmenname _____
Name des Auftraggebers _____
Postanschrift ① _____
_____
_____
Gebäude-/Raumnummer _____
Telefon-Nummer _____
Fax-Nummer _____
Mailadresse _____

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Airport CDM

„CSA-Tool"

05:32 UTC FRA-Local

User : Heinz-Willi
Group : Administrator

CSA Tool

Inbound | Outbound

Search:

	FLIGHT	ARCID	REG	A/C	DEST	GATE	POS	SOBT	EOBT	TOBT	TSAT	AOBT	CTOT	RWY	SID	RESP	STATUS
	LH 400	DLH400	DABTE	B744	JFK	A63	A23	08:50	08:51	08:50	08:50		09:12	18W	SOBRA1S	APR	PBR
	LH 804	DLH804	DAECD	E190	DUS	A13	A13	08:30	08:30	08:45	08:50	08:53		25R	MARUN1F	TWR	DEP
	LH 430	DLH430	DABVC	B744	ORD	C16	C16	08:40	08:40	08:50	08:50	08:55		25R	BIBTI1G	APR	TXG
	LO 360	LOT360	SPLIB	E170	GDN	C1	C2	08:50	08:50	08:50	08:50	10:56		25R	TOBAK2F	APR	TXG
	KL 1766	KLM1766	PHKZB	F70	AMS	D24	V98	08:50	08:50	08:50	08:52	08:49		25R	MARUN1F	TWR	TXG
	AA 071	AAL71	N786AN	B772	DFW	C4	C4	08:55	08:55	08:55	08:55	10:52		25R	BIBTI1G	TWR	TXG
	AC 873	ACA873	CFITW	B77W	YYZ	B46	B46	08:45	08:45	08:55	08:55	08:58		25R	BIBTI1G	APR	PBG
	DL 143	DAL143	N1607B	B763	DTW	D7	V113	08:50	08:50	08:50	08:55			25R	BIBTI1G	APR	PBR
	LH 440	DLH440	DABVK	B744	IAH	C14	C14	08:50	08:50	09:00	09:00			25R	BIBTI1G	APR	SUG
	BE 7074	BEE4HP	GJEDU	DH8D	BHX	D2	V110	09:00	09:00	09:00	09:00			25R	SOBRA1P	APR	SUG
	BE 7262	BEE6CN	GJECI	DH8D	MAN	D3	V108	09:00	09:00	09:00	09:00			25R	SOBRA1P	GHD	RDY
	UA 953	UAL953	N657UA	B763	IAD	A58	A18	09:00	09:00	08:55	09:00	08:59	09:23	18W	SOBRA1S	APR	PBG
	LH 8392	GEC8392	DALCR	MD11	KJA		F214	09:05	09:05	08:55	09:01	09:01	09:20	25R	TOBAK2J	APR	PBG
	LH 750	DLH750	DAIKF	A333	CCU	B44	B44	08:50	08:50	09:00	09:03			18W	SULUS5S	TWR	SUR
	EY 002	ETD002	A6EHH	A346	AUH	E6	E6	09:15	09:15	09:05	09:05			18W	SULUS5S	TWR	SUR
	LH 3244	DLH3244	DABXN	B733	RIX	A16	A16	09:00	09:00	09:00	09:05		09:20	25R	TOBAK2F	APR	SUG
	LH 3954	DLH1EP	DABIL	B735	LIN	A40	A40	09:10	09:10	09:10	09:10			18W	ANEKI5L	GHD	SEQ
	OS 122	AUA122N	OELBE	A321	VIE	B12	V163	09:10	09:10	09:10	09:10			18W	NOMBO4S	GHD	SEQ
	PS 402	AUI402	URGAO	B734	KBP	E4	V115	09:10	09:10	09:10	09:20			18W	SULUS5S	GHD	SEQ
					SVG	A30	A30	09:25	09:25	09:20	09:20			25R	MARUN1F	GHD	SEQ
					LHR	D5	D5	09:20	09:20	09:20	09:20			18W	SOBRA1S	GHD	SEQ
	LH 598	DLH598	DAIGX	A343	ADD	B45	B45	09:05	09:05	09:05	09:23		09:40	18W	NOMBO4S	GHD	RDY
	LH 758	DLH758	DAIHD	A346	MAA	B28	B28	09:05	09:05	09:15	09:24		09:40	18W	SULUS5S	GHD	SEQ
	DL 107	DAL107	N1612T	B763	JFK	D8	D8	09:20	09:20	09:20	09:25			25R	BIBTI1G	GHD	SEQ
	LH 3132	DLH4HW	DAIOC	A320	OSL	B10	B10	09:30	09:30	09:30	09:30			25R	MARUN1F	GHD	SEQ

Boarding Not Started: AT TOBT 1110 - 10 MINUTES
BOARDING WAS NOT INITIATED. UPDATE TOBT IF NEEDED

Airport CDM

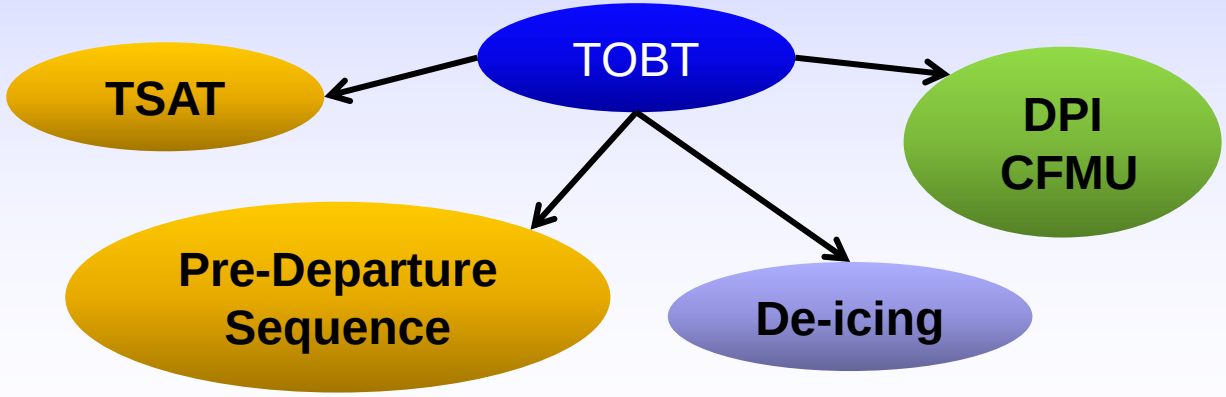
What is the TOBT procedure about 1st?

AO / Airline responsibility

Definition of TOBT:

The Target Off-blockTime is the target time, by which all handling procedures except push-back and de-icing (on position) have to have been completed.

The TOBT is the best available time as a basis for the following processes:



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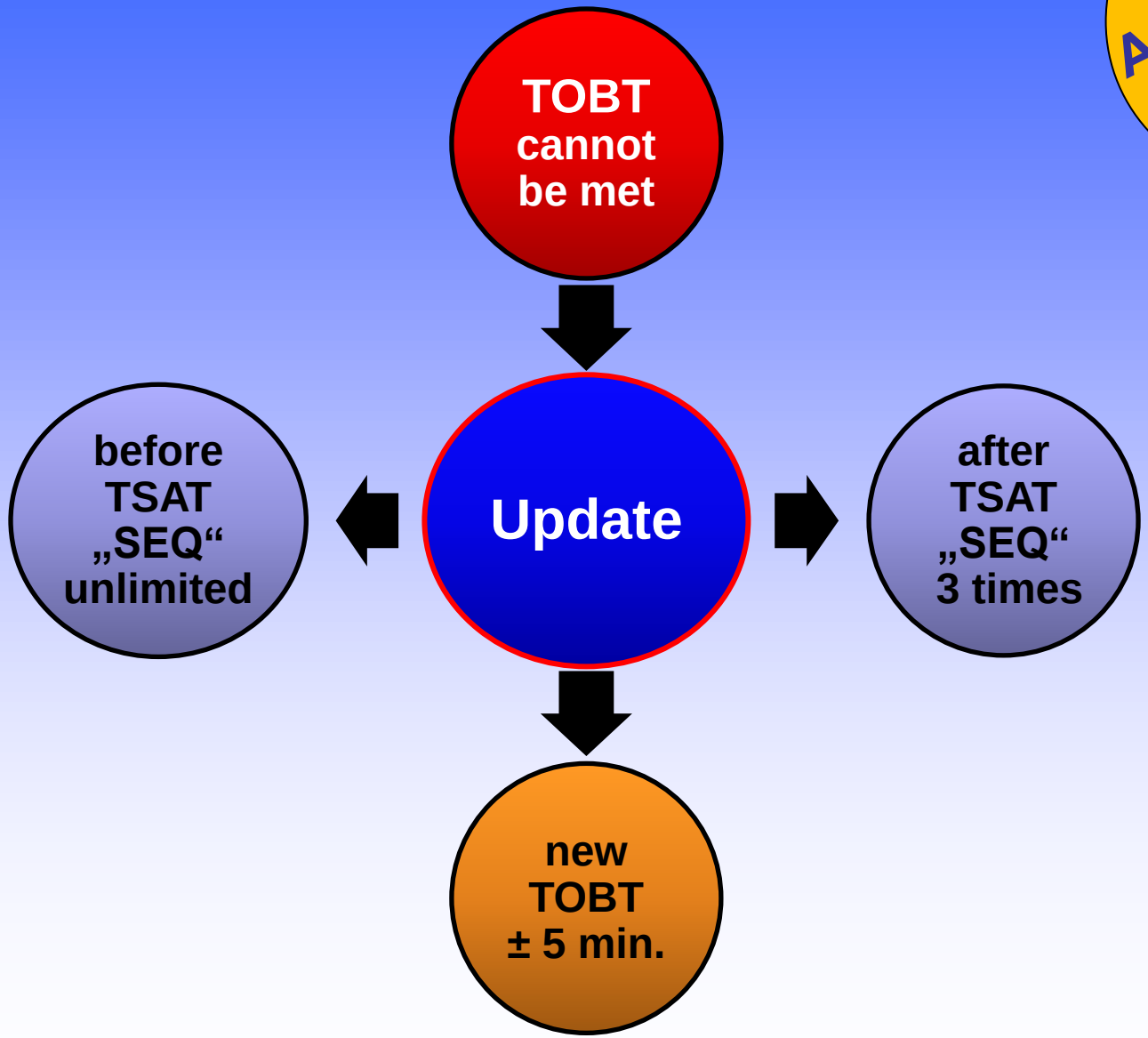
What is the TOBT procedure about 2nd?

AO / Airline responsibility



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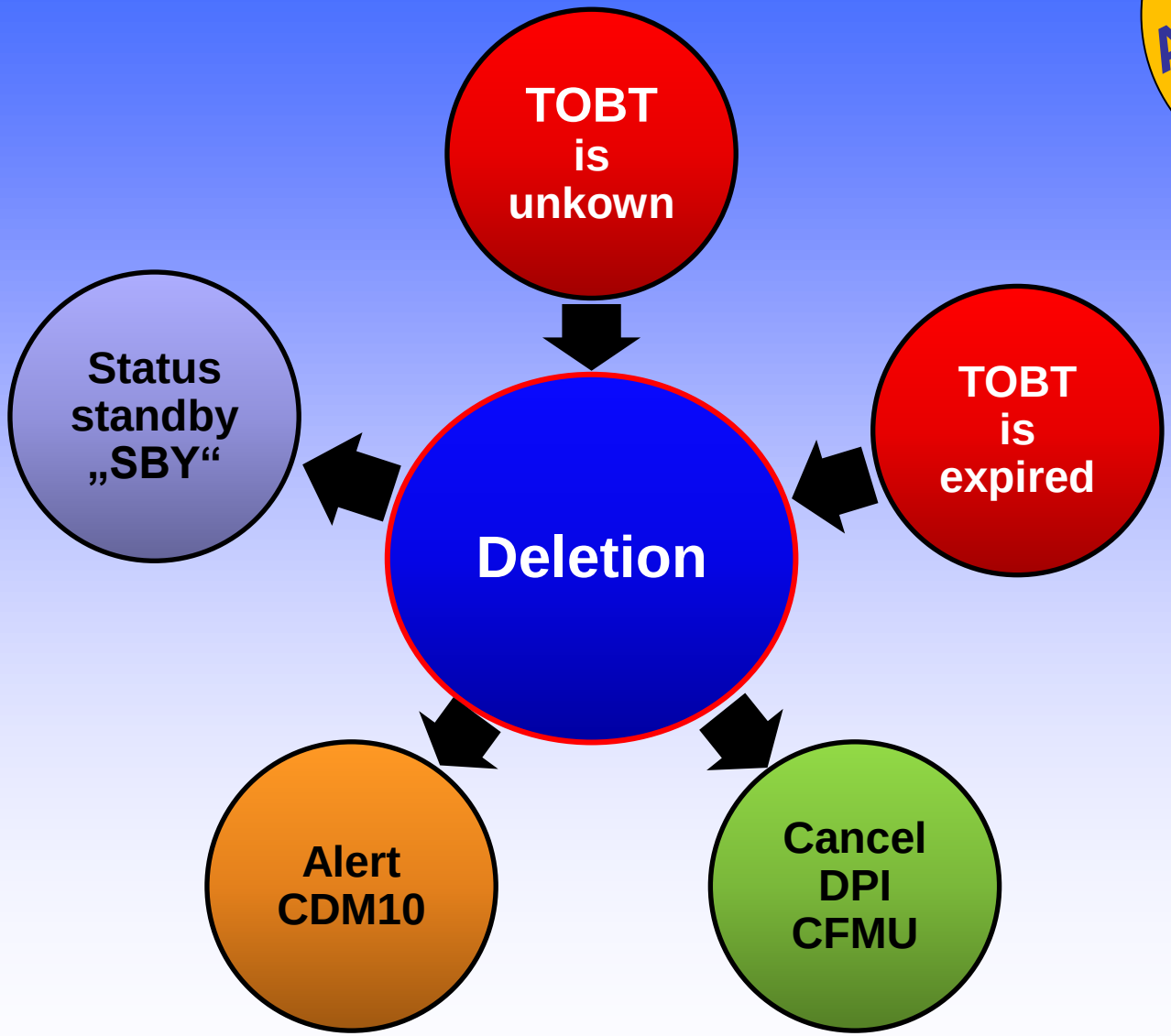
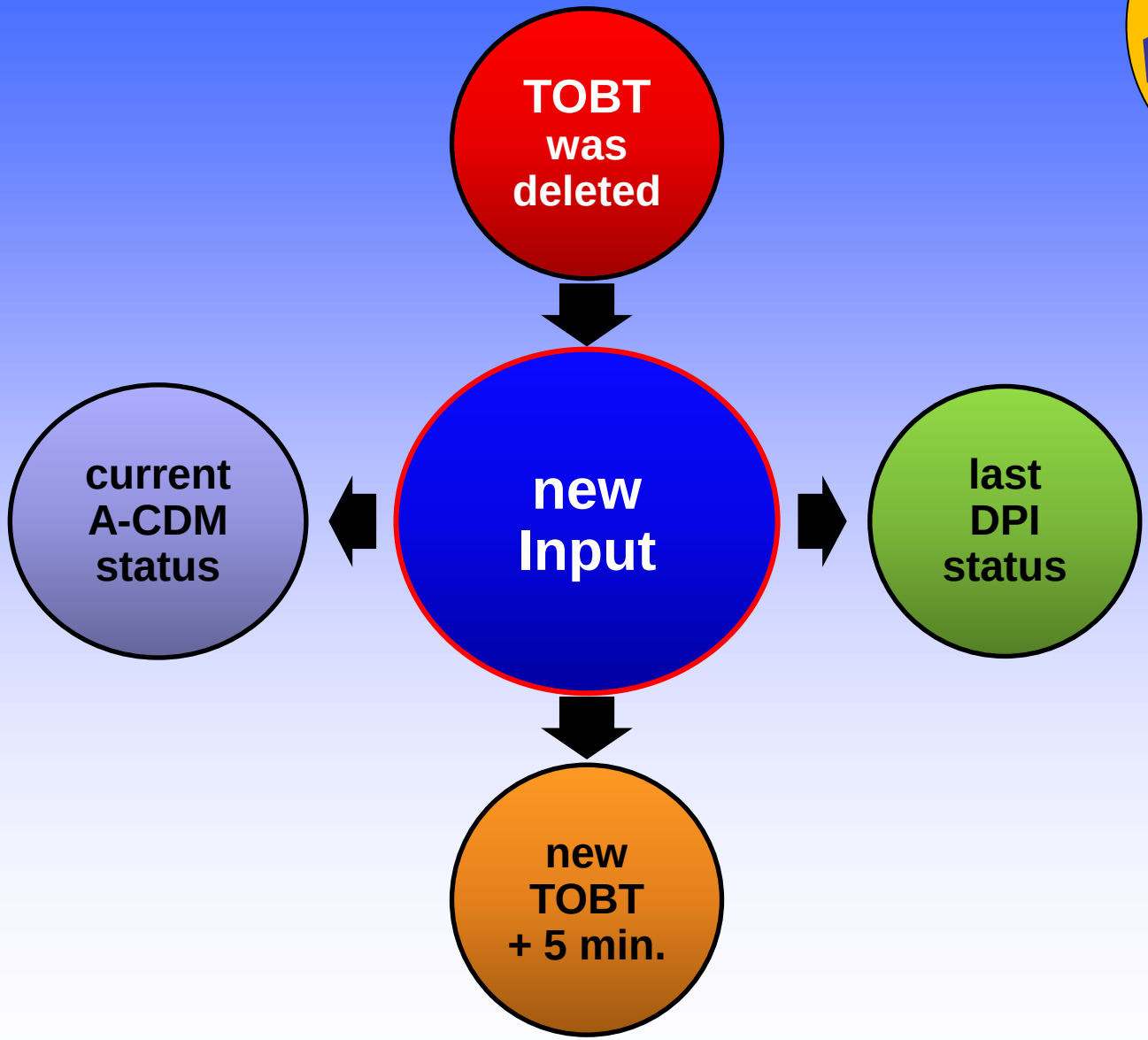
What is the TOBT procedure about 3rd?

AO / Airline responsibility



What is the TOBT procedure about 4th?

AO / Airline responsibility



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“Status Begin Boarding”

5 Management
5.1 Guidelines for Our Customers 2

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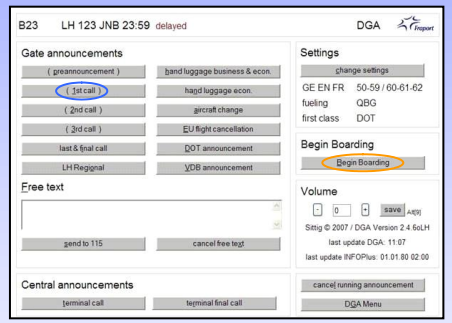
5.1.5 Passenger Handling

AO / Airline responsibility

Optional reporting channels:

→ Automatically by use of the gate announcement sytem at the gate

→ Manually by use of a button in the gate announcement system at the gate



Verification of Status „BGB“ Boarding Started

When?

→ TOBT – 10min terminal aircraft parking stands

→ TOBT – 20min apron aircraft parking stands

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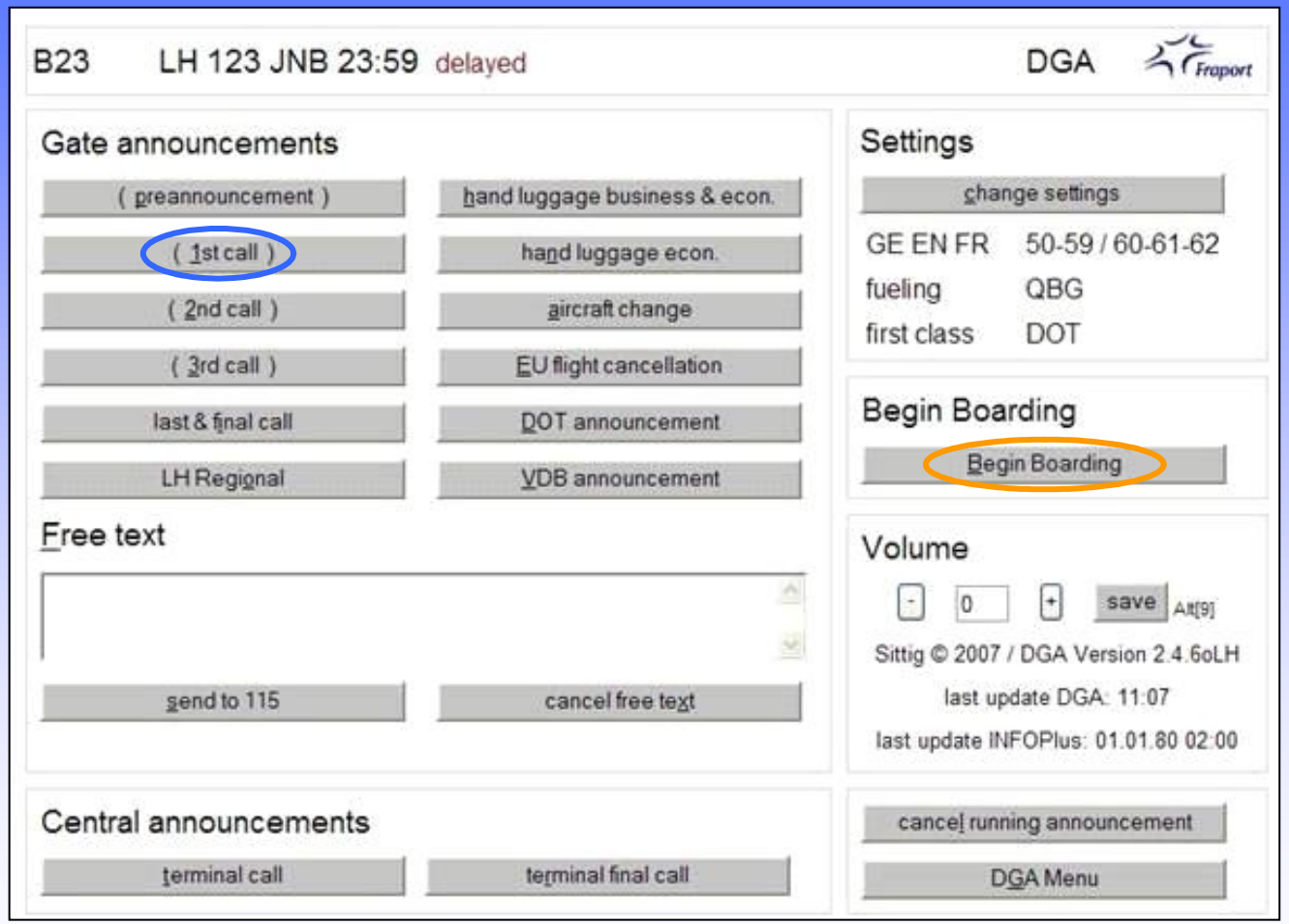
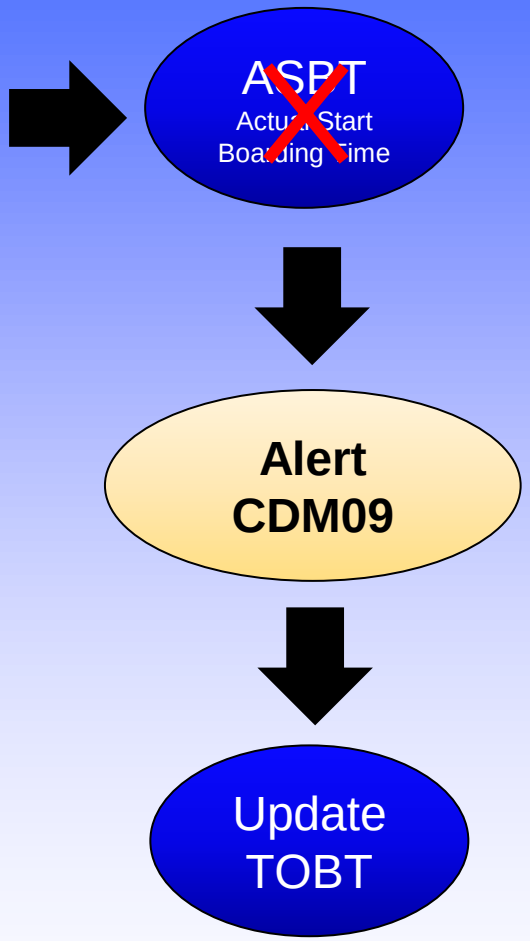
„Digital Gate Announcement System (DGA)"





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„De-icing & Anti-icing 1st"

Sequence of De-icing today only based on COB

The following factors will now be considered:

- **Local effects like runway closures (operational capacity)**
- **Network effects – CFMU Slots (CTOT)**
- **Target Off-Block Time (TOBT) →** ***AO Commitment***
- **Target Start Up Approval Time (TSAT) →** ***A-CDM Commitment***

De-icing Sequence

Estimated Commencement of Deicing Time (ECZT)

ECZT

Basis for dispatch of N*ICE

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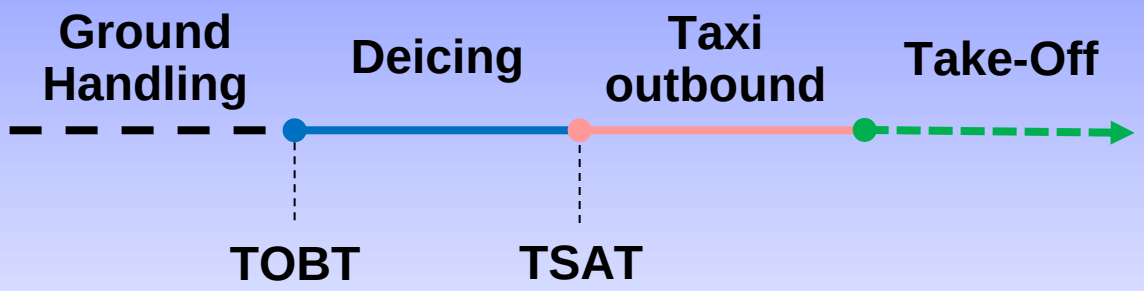
„De-icing & Anti-icing 2nd"

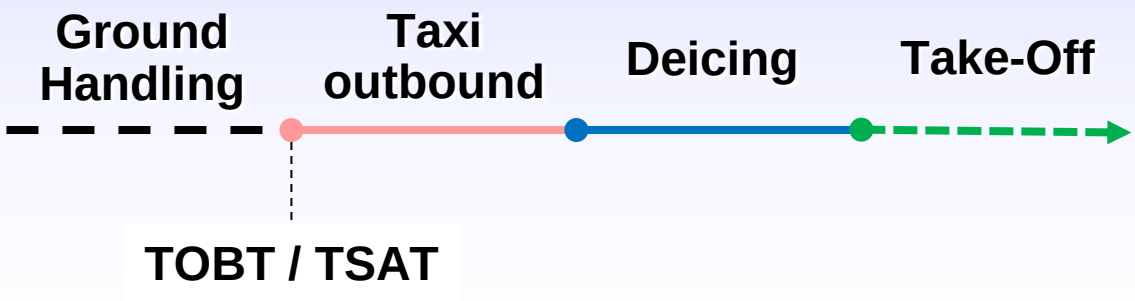
Our Expectations on the deicing procedure:

- *More stable planning (TOBT = earliest ECZT)*
- *No unnecessary de-icing (capacity + CTOT)*

Deicing on stand



Remote-Deicing on pad



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Airport CDM

„Summary"

We need from you!

- Quality of data
- ASBT
- MTTT
- TOBT
- TSAT
- Cockpit
- Train your people
- Who is responsible for your TOBT?

We offer you!

- KPI measurement
- TSAT
- Information sharing
- CSA-Tool
- Flight progress
- Alerts
- Ask for Support

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Thank You for Your Attention