

Airport CDM Departure Sequence Exercise

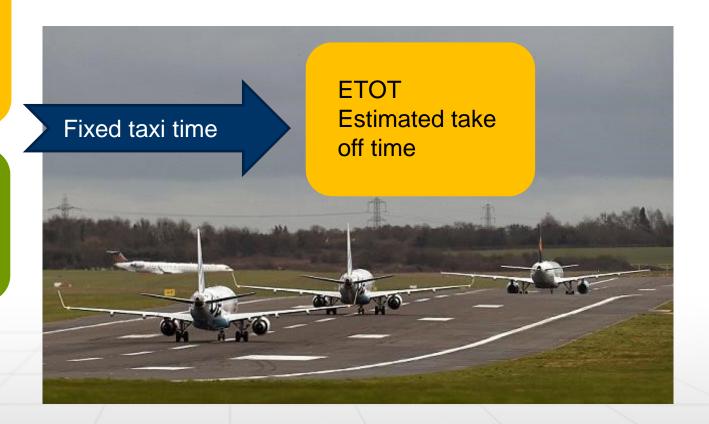
ICAO SAM 3rd Workshop

Sequence - Flight Plan data [FPL]



EOBT
Estimated off
block time
Updated by AO

CTOT
Computed take
off time
Allocated - ATC





Sequence – TOBT / TSAT based



TOBT

Target off block time Updated – AO/GH

CTOT
Computed take
off time
Allocated - ATC

TTOT
Target take off

time

Variable taxi time

TSAT
Target Start up
Approval time







Benefits - TOBT / TSAT based



Elimination of departure regulations

Ground asset allocation at known start-up time

Accountability for start-up and push-back delay

On-stand delay absorption ["green delay"]

Optimization of runway departure sequence





Sequence Calculation – Basic



Callsign	EOBT	СТОТ	Fixed taxi	Seq TOT
AAA001	1300	~	15	1316
AAA002	1300	~		1318
AAA003	1300	~		1320
AAA004	1300	~		1322
AAA005	1300	~		1324

Sequence Calculation – Basic



0 0 (0 !! :	FORT	TORT	Fixed	· · - ·	FTOT	0707		T0.4T
	Callsign	EOBT	TOBT	Taxi	Vari Taxi	ETOT	СТОТ	TTOT	TSAT
13:00									
13:02									
13:04									
13:06									
13:08									
13:10									
13:12									
13:14									
13:16									
13:18									
13:20									
13:22									
13:24									
13:26									
13:28									
13:30									
13:32									
13:34									
13:36									
13:38									
13:40									
13:42									
13:44									
13:46									
13:48									
13:50									
13:52									
13:54									
13:56									
13:58									

Departure rate = 2' [30/60]



Sequence Calculation – FPL with CTOT

the European Commission



Callsign	EOBT	СТОТ	Fixe taxi		Se	q TOT		
		Callsig	n	EOB	Т	СТОТ	Fixed	Seq TOT
AAA001							taxi	
AAA002								
AAA003		AAA003 AAA005		1300		~		1316
AAA004				1300)	~		1318
AAA005	1320							
	1322							
		AAA004	4	1300)	1323		1324
		AAA00	1	1300)	1325	15	1326
Departure rate = 2' [30/60]]	AAA00	2	1300)	1326		1328

Sequence Calculation – TOBT / TSAT



Callsign	EOBT	ТОВТ	СТОТ	Varia ble	ТТОТ	TSAT	
AAA001	1300	1305	1325	21	1326	1305	
AAA002	1300	1300	1326	18	1328	1310	
AAA003	1300	1255		17	1312	1255	
AAA004	1300	1308	1323	16	1324	1308	
AAA005	1300	1250		19	1310	1251	

Sequence Calculation – Data



O 11 1		TODT				0707		-0.1
Callsign	EOBT	TOBT	Fixed taxi		ETOT	CTOT	TTOT	TSAT
AAA001	13:00	13:05	00:15	00:21		13:25		
AAA002	13:00	13:00	00:15	00:18		13:26		
AAA003	13:00	12:55	00:15	00:17				
AAA004	13:00	13:08	00:15	00:16		13:23		
AAA005	13:00	12:50	00:15	00:19				
AAA006	13:05	13:10	00:15	00:19		13:32		
AAA007	13:10	13:09	00:15	00:12		13:34		
800AA	13:10	13:10	00:15	00:12		14:04		
AAA009	13:10	13:16	00:15	00:18		13:35		
AAA010	13:10	13:01	00:15	00:20				
AAA011	13:20	13:22	00:15	00:11				
AAA012	13:20	13:30	00:15	00:14				
AAA013	13:25	13:25	00:15	00:21				
AAA014	13:25	13:15	00:15	00:23				
AAA015	13:25	13:25	00:15	00:11		14:10		
AAA016	13:30	13:28	00:15	00:16		14:03		
AAA017	13:30	13:30	00:15	00:13		13:59		
AAA018	13:30	13:33	00:15	00:09		13:58		
AAA019	13:30	13:40	00:15	00:09				
AAA020	13:35	13:30	00:15	00:06				







Thank you

