



| ICAO



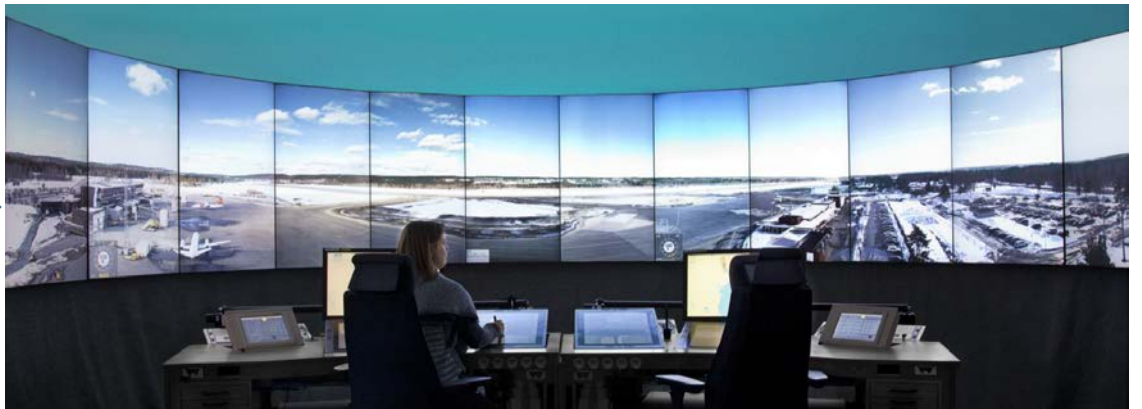
ICAO EMERGING SURVEILLANCE TECHNOLOGIES SYMPOSIUM

REMOTE TOWER EXPERIENCE IN TÜRKİYE

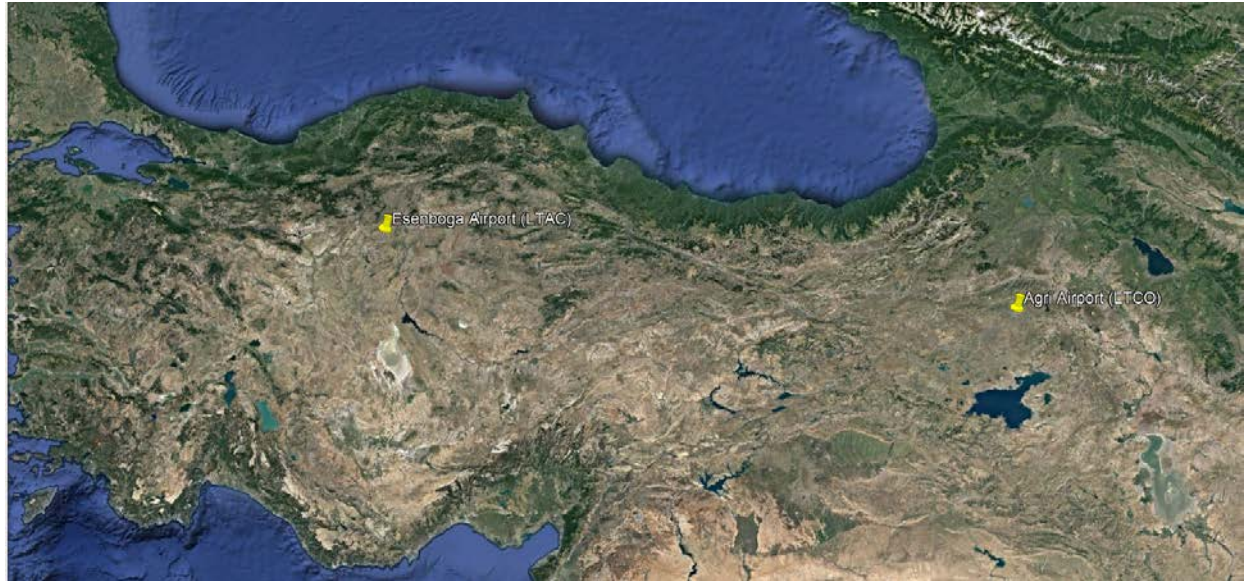
Fatih AKSOY, Radar Systems Division Manager

REMOTE TOWER CONCEPT

ATS from a remote location.

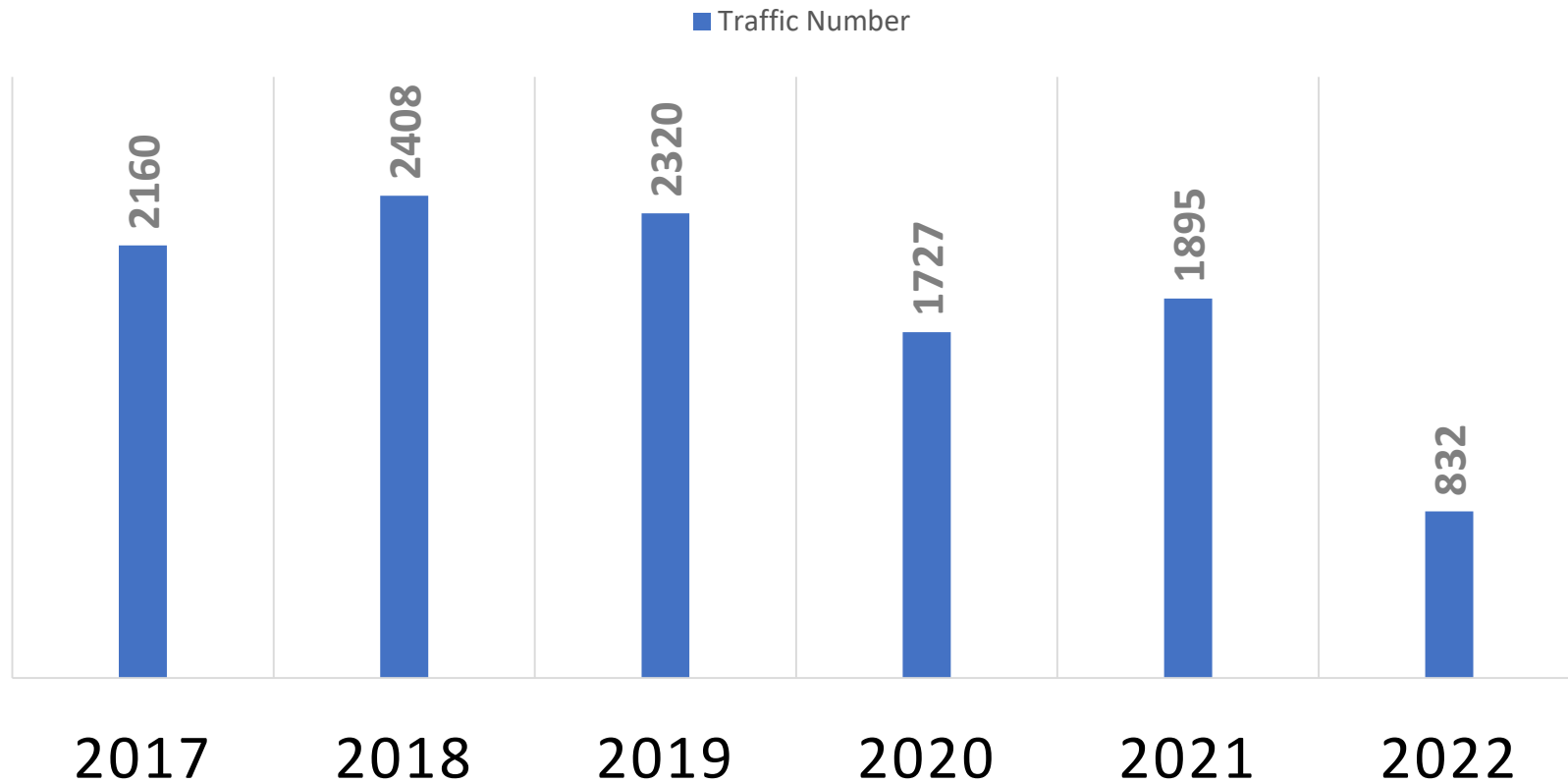


REMOTE TOWER PROJECT



Agri Ahmed-i Hani Airport (Remote Airport)
Ankara Esenboğa Airport (Remote Center)

REMOTE TOWER PROJECT



REMOTE TOWER PROJECT

LTCO AD 2.12 RUNWAY PHYSICAL CHARACTERISTICS

Designations RWY NR	TRUE BRG	Dimensions of RWY (M)	Strength (PCN) and surface of RWY and SWY	THR coordinates RWY end Coordinates THR Geoid Undulation	THR elevation and highest elevation of TDZ of precision APP RWY
1	2	3	4	5	6
16	164.60°	3000X45	Concrete LCN 100 PCN 110/R/D/W/T	394017.52N 0430112.68E - GUND: 82 FT	THR 5392 FT (1643.6 M) TDZ 5405 FT (1647.7 M)
34	344.61°	3000X45	Concrete LCN 100 PCN 110/R/D/W/T	393843.75N 0430146.08E - GUND: 82 FT	THR 5461 FT (1664.7 M)

LTCO AD 2.17 ATS AIRSPACE

1	Designation and lateral limits	CTR Centered 393856N - 0430129E Radius 15 NM
2	Vertical limits	19000 FT AMSL/SFC
3	Airspace classification	NIL
4	ATS unit call sign Language(s)	Ağrı Tower TU-EN
5	Transition altitude	15000 FT
6	Remarks	APP Service is provided by a) Ağrı TWR within CTR b) Ankara ACC outside of CTR

LTCO AD 2.18 ATS COMMUNICATION FACILITIES

Service designation	Call sign	Channel	Hours of operation	Remarks
1	2	3	4	5
TWR/APP	Ağrı TWR/APP	118.05 MHZ 118.475 MHZ 278.675 MHZ * 121.5 MHZ * 243.0 MHZ	HO	* Emergency
	Ground	121.725 MHZ	HO	
SAR	Ağrı Rescue Sub-center	123.1 MHZ 282.8 MHZ 5680 KHZ 3023 KHZ	HO	-

LTCO AD 2.19 RADIO NAVIGATION AND LANDING AIDS

Type of aid, CAT of ILS/MLS (For VOR/ILS/MLS, give VAR)	ID	Frequency	Hours of operation	Site of transmitting antenna Coordinates	Elevation of DME transmitting antenna	Remarks
1	2	3	4	5	6	7
NDB	ARI	289 KHZ	-	393844.9N 0430137.5E	-	Coverage 50 NM
VOR/DME	ARI	116.7 MHZ CH114X	H24	393844.9N 0430137.5E	1669 M	Coverage 50 NM
LLZ 16 ILS CAT I	IAGR	108.15 MHZ	H24	393836.0N 0430148.9E	-	-
GP		334.55 MHZ	H24	394008.6N 0430121.2E		3 DEG RDH 55 FT
DME	IAGR	CH118Y	H24	394008.6N 0430121.2E	1644 M	-

TENDER PROCESS

Tenders in January 2018 and in October 2018.

None of proposals accepted



MAIN CONCERNS



Standardization



Network



Staff



Safety

FUTURE PLANS

No plan for Agri Ahmed-i Hani Airport

Discussions for Istanbul Airport



THANK YOU

