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ASECNA **AIXM** database extension to **African Countries** with **TopSky-AIM** product

AFI-CAD REGIONAL DATABASE SERVICE PROVIDERS MEETING
(DAKAR, SENEGAL, 6-7 OCTOBER 2016)

Hervé Puget – TopSky-AIM Product Line Manager



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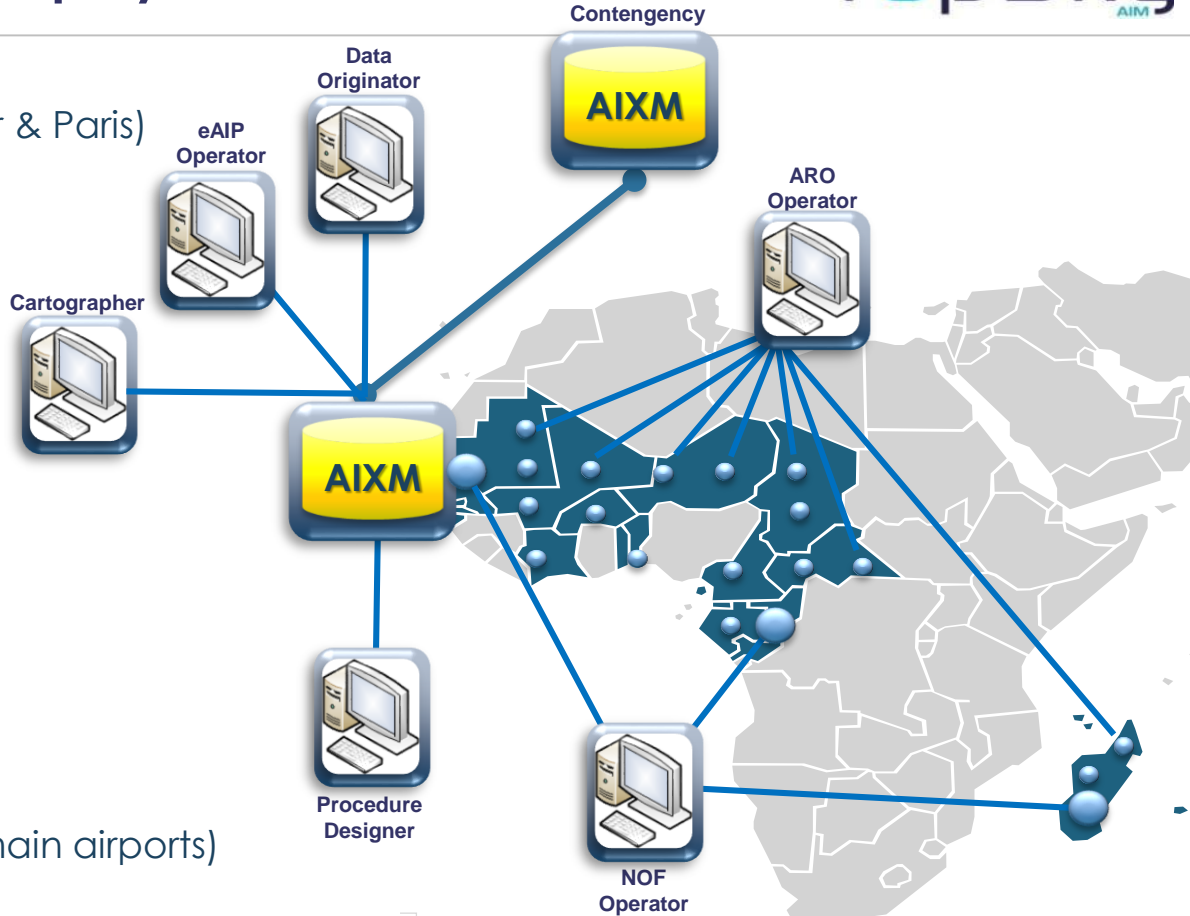
ASECNA AIXM database extension to **African Countries** with **TopSky-AIM** product

- 1 – ASECNA EXISTING AIM DEPLOYMENT
- 2 – TOPSKY-AIM MULTI-COUNTRY FUNCTIONS
- 3 – TECHNICAL & SERVICES REQUIREMENTS
- 4 – APPROACHES FOR NEW DEPLOYMENTS
- 5 – TECHNICAL REQUIREMENTS FOR REMOTE ACCESS
- 6 – AIM TRAINING



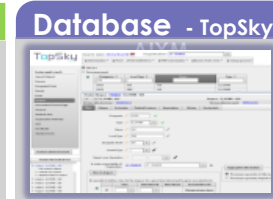
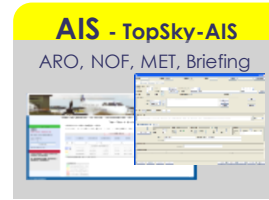
1- ASECNA AIM, Existing Deployment

- AIM Servers Infrastructure deployed in 2 locations (Dakar & Paris)
- Data originator positions deployed in 2 locations
- AIP positions deployed in 2 locations
- Cartographer positions deployed in 2 locations
- Procedure Designer deployed in 1 location (Dakar)
- AIS / NOF deployed on 3 locations
- AIS / ARO positions deployed in each countries (main airports)
- Technical support provided by ASECNA (level 1&2) & Thales (level 3)



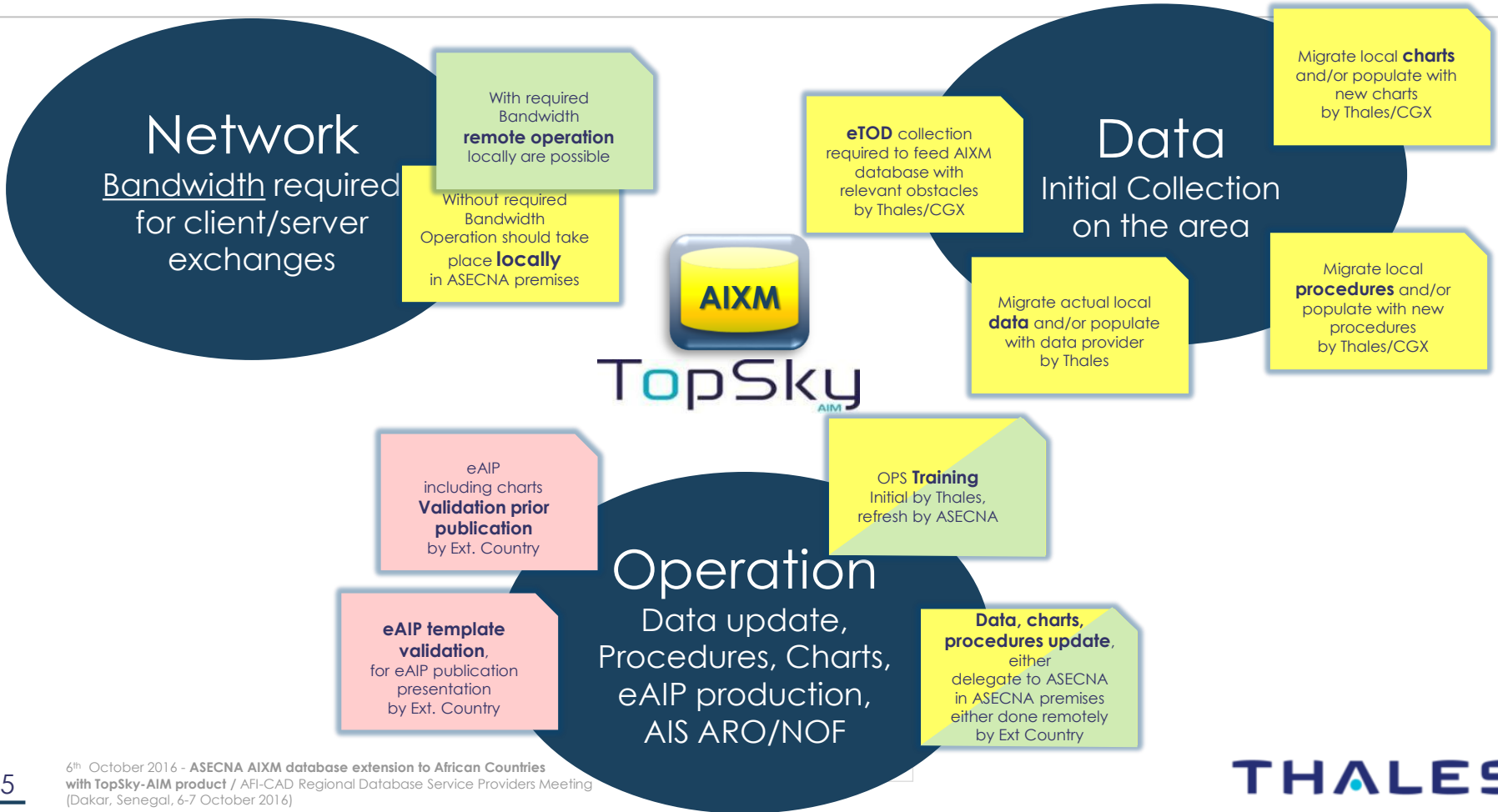
2-TopSky, Multi-Country Functions

- AIS - multi-NOF & multi ARO
- AIS - Internet Briefing (large capacity)
- AIM - Multi-country eAIP
- AIM - Multi-lingual eAIP
- Centralized AIXM database
AIXM5.1 or 4.5
- Remote country access capability
for AIS/AIM functions
with limited bandwidth network
- Contingent AIS/AIM database in remote country



3- Technical & Services Requirements for extensions to African Countries

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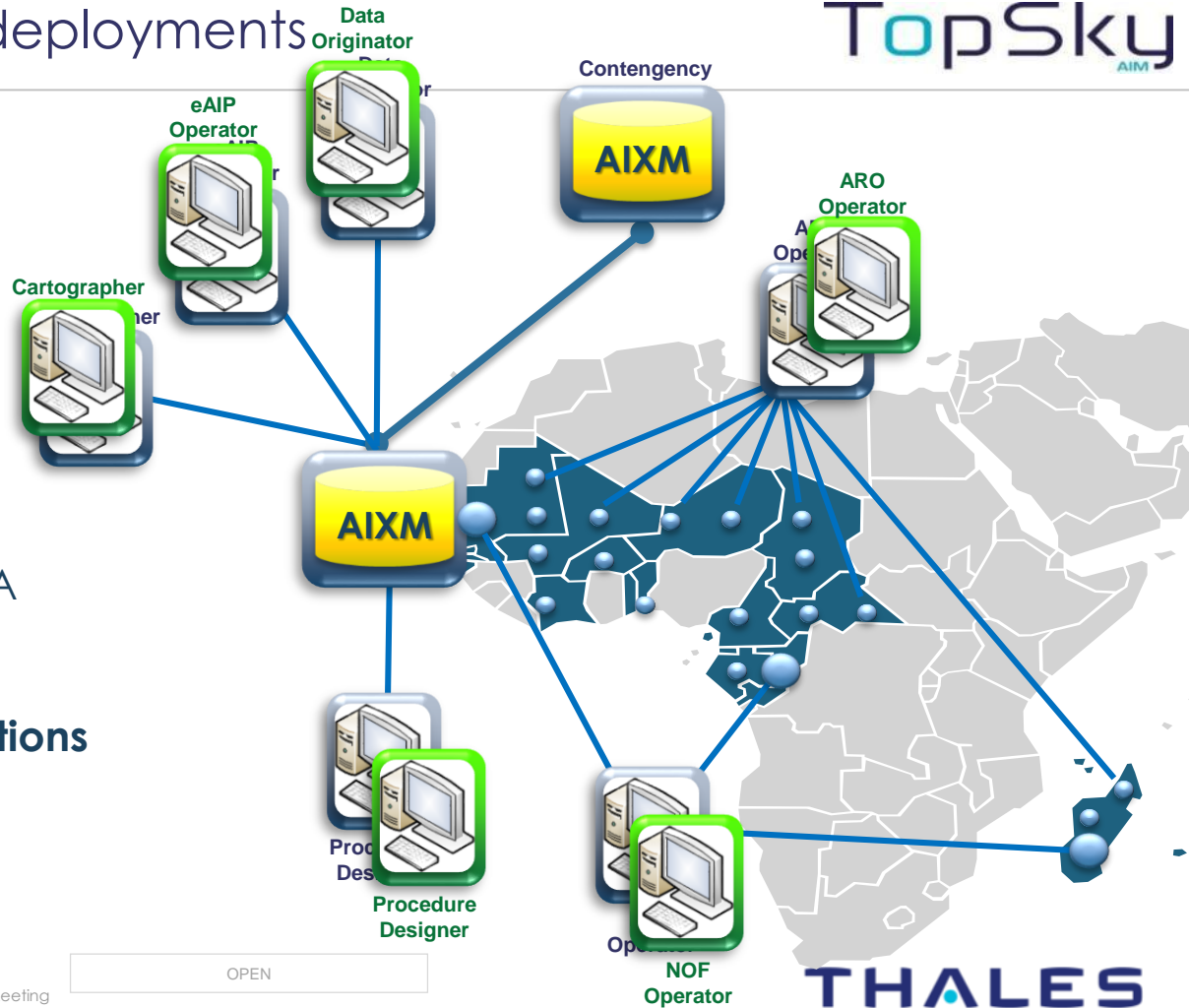
4- Approaches for new deployments

LOCAL - Benefit from ASECNA infrastructure & services by already qualified personal

Without required Bandwidth
Operation should take place **locally** in ASECNA premises

REMOTE - Benefit from ASECNA servers infrastructure, but train your own personal & deploy locally terminal positions

With required Bandwidth
remote operation locally are possible



OPEN

5- Technical requirements for Remote access



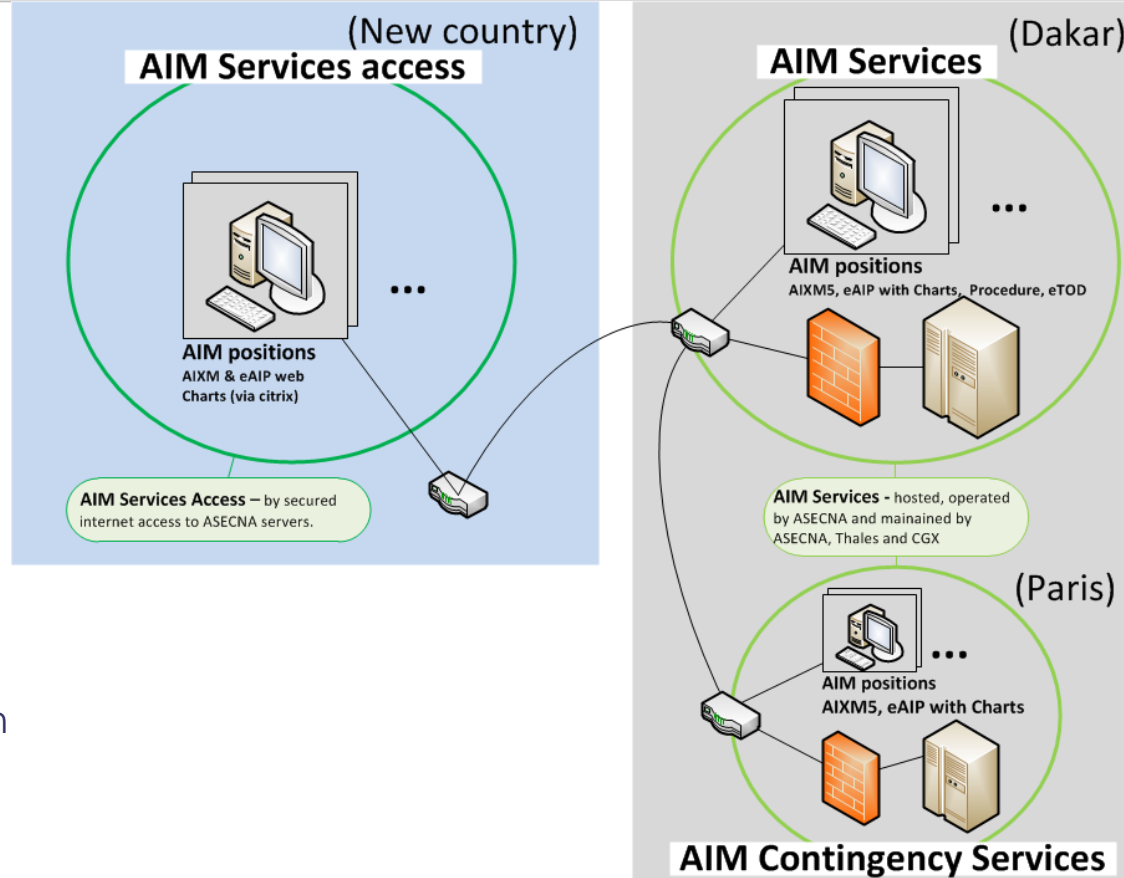
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New country

- Reliable Network Bandwidth & Latency
- Few hardware components
 - VPN device
 - Terminal positions
- Service Level agreement
- Trained operators

ASECNA

- Adjust ASECNA citrix capacity
- Adjust TopSky-AIM configuration for remote country



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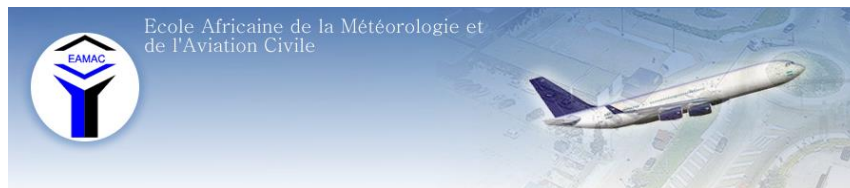
INITIAL - by Manufacturer Technical / Operational (in Thales Premises)

REFRESH - by ASECNA Technical / Operational (in EAMAC)

TopSky - AIM

39	Hands-on	TopSky- AIM - Maintenance Course	3d	ATSEP
40		TopSky- AS - Maintenance Course	4d	ATSEP
41		TopSky- B - Administration Course	2d	ATSEP
42		TopSky- AIXM - Operator Course	5d	OPS
43		TopSky- eAIP - Operator Course	3d	OPS
44		TopSky- AS - N OF & ARO Operator Course	5d	OPS
45	Advanced	TopSky- AS - N OF Operator Course	4d	OPS
46		TopSky- AS - ARO Operator Course	4d	OPS
47	Hands-on	GéoTITAN® - Initial Training Course	15d	OPS
48	Advanced	GéoTITAN® - On-site Training Course	5d	OPS
49		GéoTITAN® - On the Job Training Course	10d	OPS
50	Hands-on	Data4Flight® - Course	1d	OPS
51	Advanced	Procedure Design Tools - Course	2d	OPS
52		Chart4Flight® - Course	2d	OPS
53		Obstacle Limitation Surfaces (OLS) - Course	3d	OPS
54		Electronic Terrain and Obstacle Data (E-TOD) - Course	2d	OPS
55		Airspace4Flight® - Course	5d	OPS

Thales AIM - Training Catalogue 2016





Thank you for your attention !