SITA OnAir Network Status Update

ASRI/AFC Spring Meeting

March, 2015, Melbourne, FL

1 **The SITA ONAIR Announcement**

Legacy ONAIR

- Joint venture with Airbus

- Established in 2005

- SITA bought Airbus interest and established OnAir as a separate company in the SITA Group in 2010

- OnAir remit and solution set aimed at the cabin and link service eg wifi, internet, IFE, GSM, TV

- OnAir achieving increasing market share year over year

The SITA OnAir Announcement

- Press release to the media was on January 12, 2015
- SITA OnAir was introduced as a stand alone business entity as part of the SITA Group
- Ian Dawkins was introduced as the CEO of the new organization. He was formerly head of legacy OnAir
- OnAir has been in business for 10 years with increasing success and market penetration
- SITA OnAir combines the former OnAir and AIRCOM organization, plus components of CIS (Crew Tablet and Gatelink), EFB, and Connected Aircraft solutions

1 **Network growth trends**

- ❏ POA and VDL expansion world wide (about 70 radios per year)

- ❏ Rapid expansion of VDL coverage in Europe

- ❏ More stations operated by or for ANSPs:
  GACA (Saudi Arabia)
  DECEA (Brazil)
  DFS (Germany)
  AENA (Spain)
  NAV Portugal
  Sky Guide (Switzerland)
  Harris (USA)

1 Network status comparison

❏ June 2014 vs March 2015

	POA					VDL					Total
	USA	Rest of Americas	Asia	Europe/Middle East/Africa	Operated by ANSPs	USA	Rest of Americas	Asia	Europe/Middle East/Africa	Operated by ANSPs	
June 2014	415	197	163	352	154	63	2	8	59	67	1480
March 2015	419	199	163	361	165	63	3	8	70	108	1559
+/-	+4	+2	0	+9	+11	0	+1	0	+11	+41	**+79**

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1 Network evolution

❑   Continued expansion, more than 80 stations / year

❑   Shift towards stations operated by ANSPs

❑   Shift in technology:
- IP network connectivity
- elimination of legacy protocols like X.25
- porting to Linux server platforms

2 **Important developments**

- ❑   Trial deployment of VDL ground frequency in Europe

- ❑   ATN PAs (provider aborts = loss of CPDLC)

- ❑   Eurocontrol launch of project ELSA to diagnose and remedy VDL interoperability issues

- ❑   Regulatory requirements, ie.: Transport Canada "in situ" radio testing

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