



SCOP

Е

- Seychelles FIR/service provided pre-2010
- Moving to Data Link/how it came about
- "Implementing" Data Link
- Benefits of Data Link for FSSS
- Limitation
- Future Development



Seychelles FIR

The Seychelles FIR (FSSS) stretches over 2.6 million square Km over the Indian Ocean.

Being an oceanic airspace we are faced with the issue of having no surveillance and HF communication as the main communication media.



Moving to Data Link

- Acquisition of New Flight Data Processing System (FDPS)
- Additional Feature (ADS-C & CPDLC)
- Can be used with Aircraft equipped with FANS 1/A
- A decision was made to take advantage of such capability to enhance the service



"Implementing" Data Link

- Having an ATM system
- Identifying a Communication Service Provider (CSP)
 - SITA, ARINC... Contract Agreement
 - Provide the ANSP with ACARS Parameters
 - ANSP selects an AFN address (FSSS)
- Conduct trial with equipped Aircraft (FPL)
- Assessment of Test Result/identify issues
- Resolving associated issues



"Implementing" Data Link

- With supplier, CSP and the airline industry attempt to mitigate all the issues and set up control procedures for those which could not be mitigated
- Decision to go operational- Operation requirement
- YES- ATCO Training (Theory & SIM/SOP/Publication (AIP))
- OJT
- Continuous monitoring (system/SOP/ATCO's Proficiency
- Assessment of post implementation reports



- ADS-C
- Position monitoring
- Conformance monitoring
- > Enhanced situational awareness
- Correlation of FPL data
- Early logon assist in detecting wrong coordination
- > Aircraft tracking ability (Emergency)



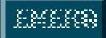


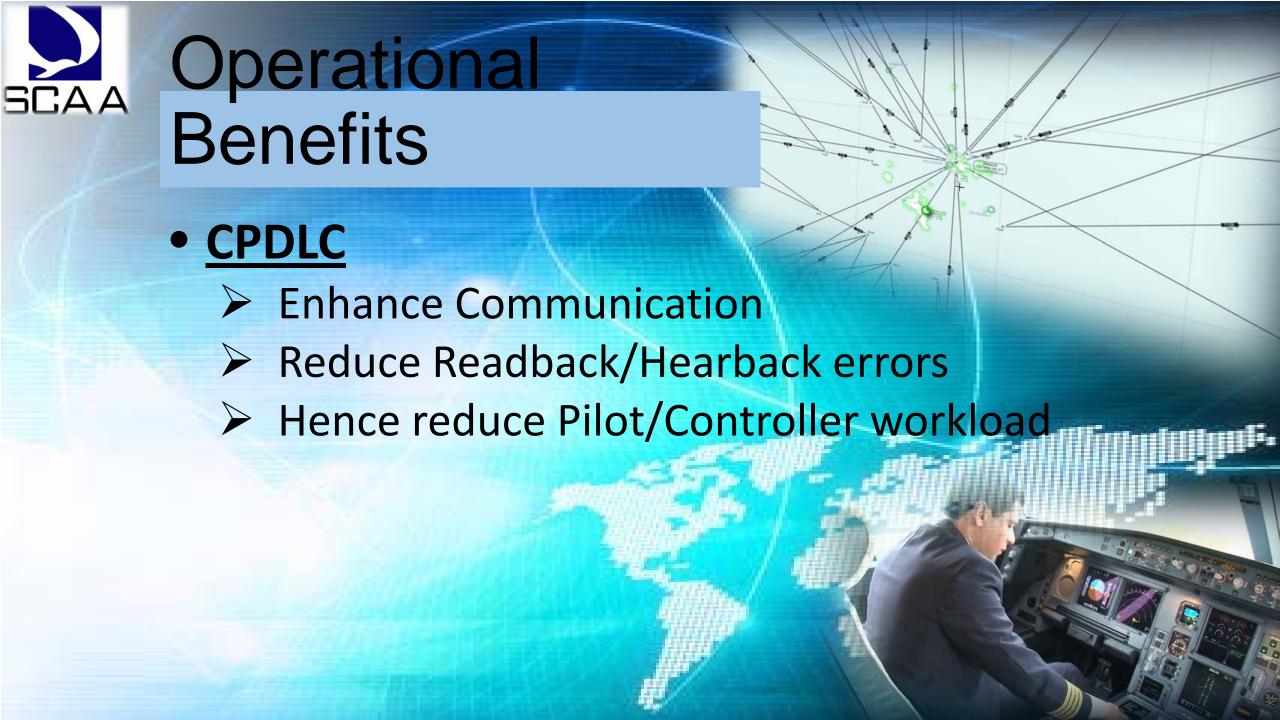


ADS CALLSIGN: CRL910

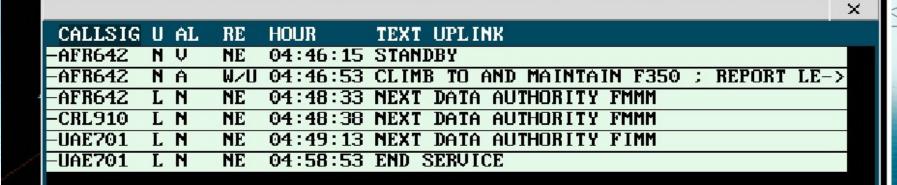
CONTRACTS: FANS1

PERIODIC DEMAND SMERS







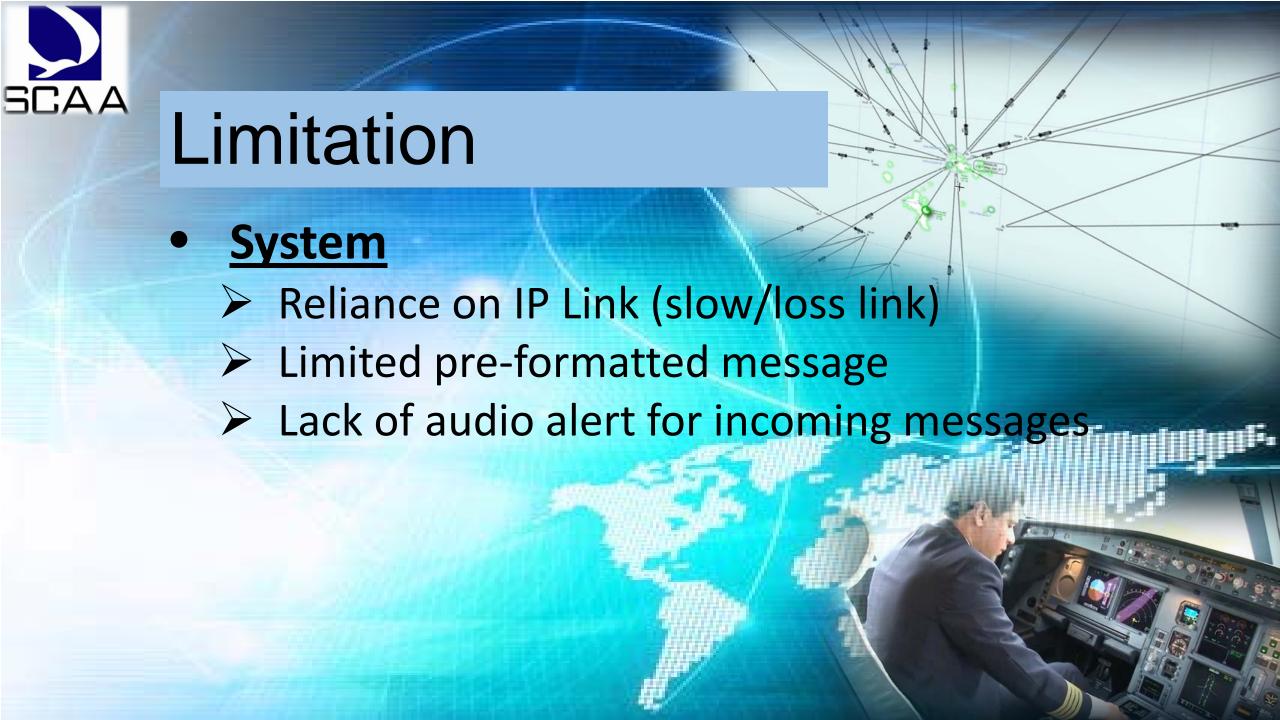


CALLSIG	U AL	RE	HOUR	TEXT DOWLINK
-AFR642	N L	Y	04:44:17	REQUEST CLIMB TO F350
-AFR642	N M	Н	04:47:13	WILCO
Editor Company (Control of the Control of the Contr		170		LEVEL F350
-REU977	НН	Н		POSITION REPORT 1 24.3S 45 10.2E 04:55->
-UAE706	N M	N	04:50:57	POSITION REPORT 3 20.0S 55 32.2E 04:50->











Limitations

Operation

- Procedural environment
- Require continuous monitoring of Screen
- Not all aircraft are equipped/no mandate
- > Increase communication means



Future Development

- Interest in AIREON global ADS-B coverage
- CPDLC will remain primary means of Communication

