



A/C-31a — Controller pilot data link communication (CPDLC) compliant with ATN baseline 2 (FANS 3/C)

Data link exchange for ATN/VDL2 baseline 2 (FANS 3/C) i.e. for Departure Clearance, Push-back/Start-up/Clearance and clearance/instruction/information (Taxi, En Route), ATSA-ITP, CTA/CTO (including fix and required accuracy), ASPA (including identification of target aircraft, delegated manoeuver and termination), free text messages.

Category SYSTEM

Stakeholder Airspace User

Civil

- Civil Scheduled Aviation
- Civil Business Aviation-Fixed Wing
- Civil Business Aviation-Rotorcraft

Military

- Military Transport
- Military Fighter

V3 End 31-12-2013

V4 Start 31-12-2015

V5 Start 31-12-2017

V4 End 31-12-2017

V5 End 31-12-2017

Airspace User: 31-12-2017

Civil

- Civil Scheduled Aviation: 31-12-2017
- Civil Business Aviation-Fixed Wing: 31-12-2017
- Civil Business Aviation-Rotorcraft: 31-12-2017

Military

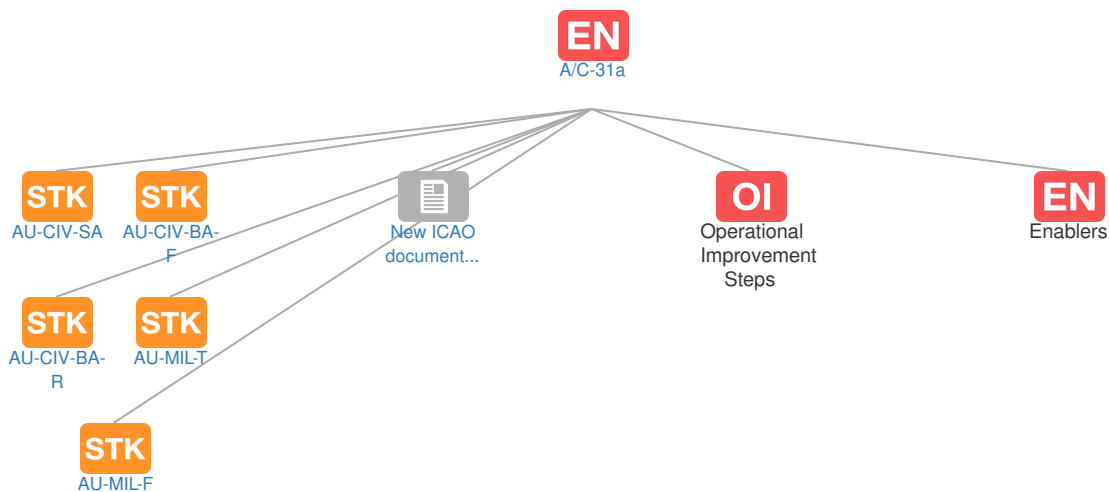
- Military Transport: 31-12-2022
- Military Fighter: 31-12-2022

IOC 31-12-2017

FOC 31-12-2023

Context

Related Elements



Operational Improvement Steps




Code	Benefits start date (IOC) - Full benefit date (FOC)																										
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	
A/C-31a								V4																			
🔒 AUO-0308-A																											
🔒 AUO-0308-B																											
🔒 AUO-0309																											
🔒 AUO-0603-A																											
🔒 AUO-0603-B																											
🔒 AUO-0703																											
🔒 CM-0605																											
🔒 CM-0606																											
🔒 CM-0607																											
🔒 CM-0608																											
🔒 SDM-0215																											
🔒 TS-0109																											
➔ AOM-0505																											
➔ CM-0200-B																											
➔ CM-0200-C																											
➔ CM-0200-D																											
➔ TS-0103																											
➔ TS-0108																											

EN Dependent Enablers

Relationship	Code	Title	Related Elements
Supporting	A/C-42a	On-board graphical display of taxi clearance (up linked or via voice) using common air/ground airport database	STK OI EN DS
Has predecessor	A/C-11	Flight management and guidance for improved single time constraint achievement (CTA/CTO)	STK OI EN DS
Has predecessor	A/C-31	Data link exchange compliant with Link 2000+	STK OI EN
Is synchronised with	AERODROME-ATC-45	Communication DataLink supporting trajectory management and other flight information during approach, landing, and taxi and departure.	STK OI EN
Is synchronised with	ER APP ATC 119	Air/Ground Datalink Communication/Protocols for i4D and Controlled Time of Arrival	STK OI EN DS PCP
Enabled by	AGDLS-ATC-AC-14a	New SPR for data link exchange of Departure Clearance (DCL) via ATN B2	EN
Enabled by	AGDLS-ATC-AC-14b	New SPR for data link exchange of Instructions and clearances (ACL) over ATN B2	EN
Enabled by	AGDLS-ATC-AC-14e	New SPR for data link exchange of clearances or instructions for ASAS Spacing	EN
Enabled by	AGDLS-ATC-AC-15a	New IOP for data link exchange of Departure Clearance (DCL) via ATN B2	EN
Enabled by	AGDLS-ATC-AC-15b	New IOP for datalink exchange of Instructions and clearances (ACL) over ATN B2	EN
Enabled by	AGDLS-ATC-AC-15e	New IOP for data link exchange of clearances or instructions for ASAS Spacing	EN
Enabled by	AGDLS-STD-01	ICAO provisions for CPDLC for IM	OI EN
Enabled by	AGDLS-STD-03	Use of Inmarsat IV satellites in oceanic area	EN
Enabled by	AGDLS-STD-10	Use of Inmarsat IV satellites SBB precursor in continental area	EN
Enabling	CTE-C02d	New Airport Datalink technology (AEROMACS)	STK OI EN DS
Enabled by	REG-0006	AMC for departure clearance over VDL2 ATN	EN
Enabled by	REG-0012	CS in support of PCP AF3- Free Routes	OI EN
Enabled by	REG-0100	Regulatory Provisions for Datalink Extension (DLS II)	OI EN DS PCP
Enabled by	REG-0102	Means of Compliance for DLS II	EN
Enabled by	STD-004	Review of ATN B2 standards in WG-78/SC-214 for US/EUR convergence	OI EN DS PCP
Enabled by	STD-005	SPR for new AOC services and FIS services (ED-175A, WG-76)	EN
Enabled by	STD-006	MASPS for new AOC services and FIS services (WG-76)	EN
Enabled by	STD-041	MOPS for an Airborne VDL Mode-2 System Operating in the Frequency Range 118-136.975 MHz (ED-92B)	EN
Enabled by	STD-066	ICAO Provisions for ATN Baseline 2	OI EN
Enabled by	STD-076	ICAO DOC 9880	OI EN
Deployed with	A/C-37a	Downlink of trajectory data according to contract terms (ADS-C) compliant to ATN baseline 2 (FANS 3/C)	STK OI EN DS PCP

PCP PCP Elements: No associated data

STK Stakeholders

Code	Title	Related Elements
AU	Airspace User	EN
AU-CIV-BA-F	Civil Business Aviation-Fixed Wing	EN
AU-CIV-BA-R	Civil Business Aviation-Rotorcraft	EN
AU-CIV-SA	Civil Scheduled Aviation	EN 
AU-MIL-F	Military Fighter	EN 
AU-MIL-T	Military Transport	EN 

Standards

Title	Description	Status	Related Elements
Aviation Related Standards	-	-	
Communication	-	-	
New ICAO document ATN	Develop Detailed Technical Specifications for Aeronautical Telecommunications Network (ATN) Using...	Existing Standard	EN

OBJ Implementation Objectives: No associated data

Stakeholder Lines of Action (SLoAs): No associated data

PJ SESAR Workpackages: No associated data