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| **APPLICATION FOR CPDLC / ADS-C** **(Controller Pilot Data Link Communication / Automatic Dependent Surveillance-Contract)** |  |

**INSTRUCTIONS**

1. The applicant will tick (√) the appropriate yes/no boxes and as applicable insert references from the AFM or Ops Manual with sample pages attached as appendix.

2. The applicant must obtain and submit manufacturer’s written confirmation with regard to continuing maintenance.

3. Operating policy and procedures, training syllabus and lesson plan must be submitted for approval before commencement of flight crew / dispatcher training.

**PARTICULARS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Operator:** | Click or tap here to enter text. | **AOC No:** | Click or tap here to enter text. | **Rep’s Name:** | Click or tap here to enter text. | **Position:** | Click or tap here to enter text. |
|  |  |  |  |  |  |  |  |
| Aircraft manufacturer,Model and series | Serial Number | Registration  | Make & model of CPDLC / ADS-C | Area of operation requested |
| Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. | Click or tap here to enter text. |
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|  | **Completion by applicant** | **CAAS Use***(All line items are to be initialed and dated)* |
| --- | --- | --- |
|  | **YES** | **NO** | **Acceptable** | **Unacceptable** | **Not Applicable** | **Remark(s)** |
| **AC 98-6-1****1 AIRWORTHINESS REQUIREMENTS** 1.1 Installation of data link equipage requires airworthiness certification. The operator needs to furnish to the Authority documents such as AFM entry or amendment to the aircraft TC or STC attesting to compliance with the standards set out in FAA AC 20-140().  |[x] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| **2 OPERATIONAL APPROVAL**2.1 While the primary guidelines for operational approval are provided by FAA AC 120-70(), in view that the worldwide operation of data link may not have been effectively harmonised, the operator shall develop his own operating policy/ procedures based specifically on the requirements of the areas / regions of his intended operations.  |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| 2.2 The operational approval by the Authority for CPDLC / ADS-C operation is worldwide and to ensure compliance with various regional requirements, the operator should refer to the following publications for guidance:  |  |  |  |  |  |  |
| (a) Data Link Communication Operational Authorisation Information Package or equivalent; |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| (b) FANS Operations Manual (FOM); |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| (c) FAA Oceanic NOTAMS; |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| (d) FAA Pacific/Alaska Chart Supplements and North Atlantic Doc 007 or later versions; |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| (e) North Atlantic MNPS Airspace Operations Manual; |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| (f) ICAO Regional Supplement Doc 7030; and |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| (g) State Aeronautical Information Publications (AIPs). |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| **3 SUBMISSION FOR APPLICATION**3.1 The following items are Authority requirements which must be submitted with the application letter: |  |  |  |  |  |  |
| (a) Evidence of compliance with airworthiness requirements; |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| (b) Equipment maintenance programme including training of personnel; |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (c) Operating policy and procedures; |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (d) Flight and dispatch crew training; |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (e) MELs; and  |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (f) Other operational issues.  |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| **4 FLIGHT CREW TRAINING** 4.1 The operator shall submit its training programme for Authority approval. |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| 4.2 Based on the operator’s operational experience and the limitations of the equipment or area of operation, the training can be ground based, computer based, or in a suitably equipped flight simulator.  |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| 4.3 For flight crew with no previous data-link experience, training through LOFT excises in a flight simulator is recommended. |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| 4.4 For the syllabus contents, the operator’s training programme should be based on FANS-1/A Operations Manual (FOM) and should cover the following areas:  |  |  |  |  |  |  |
|  (a) Acronyms (FOM Part 2) |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (b) General concept of digital and analogue communications |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (c) Expected flight crew response |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (d) ATS coordination |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| (e) Aircraft Communication components, displays, alerts (OEM document) |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (f) Interface with other aircraft |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (g) AFM information |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (h) MEL provisions |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (i) Data link event reports |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (j) Data link malfunction or irregularity reports |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
|  (k) Human factor – lesson learned |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| **5 GRANT OF OPERATIONAL APPROVAL**5.1 The operator should take note of the Data Link Communication Operational Authorization Information Package (14 March 06) or equivalent. |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| 5.2 At the Authority’s discretion, the operator may have to demonstrate adequacy of his training through Authority participation in his training sessions or line operations. |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| 5.3 The Authority will write to the operator informing him of grant of the operational approval and the inclusion of CPDLC ADS-C in his Ops Spec. |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| **6 CONTINUING AIRWORTHINESS**6.1 Maintenance practices |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| **7 MEL**  |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| **8 HMI** 8.1 Human / Machine Interface review. |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |
| **9 QSRA** 9.1 Qualitative Safety Risk Assessment |[ ] [ ]  Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text.Click or tap to enter a date. | Click or tap here to enter text. |

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| **“Warning:   Notice is given that the operator shall accept full responsibility for all information given in this application form. Any attempt to provide false information will result in rejection of the application and, if already granted, the withdrawal of the Operational Approval. In addition, the operator may render himself liable to prosecution under section 29C(1)(b) of the Air Navigation Act.”**    |
| “I declare to the best of my knowledge and belief that the statements made and the information supplied in this form are complete and correct.  I understand that any false representations made by me for the purpose of procuring the Singapore aviation safety instrument is an offence under section 29C(1)(b) of the Air Navigation Act and I may be subject to the penalties stipulated thereunder and any Singapore aviation safety instrument granted pursuant to the application will be revoked.” |
| **Signature / Name of person representing the operator** |  |
| **Signature / Name of FS Officer accepting this form** |  |

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| --- |
| **Revision history:** |
| **Version** | **Date** | **Paragraph(s)** | **Details** |
| 1.0 |  |  |  |
| 2.0 |  |  |  |
| 3.0 | 30 November 2021 | All | * signature columns added
* Changed formatting
 |

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| --- |
| **REFERENCES** |
| Regulatory | : (1) ANR 98 Division 6 Regulations 34-36 |
| Compliance  | : (1) AC 98-6-1 (2) FAA AC 20-140C |
| Guidance | : (1) ICAO Doc 10037 (2) Asia Pacific Authorization Information Package – 15th June 2012 |