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**ARMENIAN AIR TRAFFIC SERVICES
AERONAUTICAL INFORMATION SERVICES**

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**REPUBLIC OF ARMENIA
GENERAL DEPARTMENT OF CIVIL AVIATION**

Implementation of the new ICAO FPL 2012 in Armenia.

AIC Effective date 20 SEP 2012.

INTRODUCTION

The International Civil Aviation Organization (ICAO) has agreed to make changes to the content and format of the ICAO flight plan form (FPL). These changes become globally applicable on 15 November 2012, although many States will accept the NEW format prior to that date. Coincident with these changes Armenia is amending its flight planning requirements.

PRESENT refers to the current ICAO flight planning provisions, which will no longer be applicable after 15 November 2012.

NEW refers to the ICAO flight planning provisions, as detailed in Amendment 1 to the *Procedures for Air Navigation Services – Air Traffic Management* (PANS-ATM, Doc 4444), 15th Edition. These provisions become globally applicable from 15 November 2012.

REQUIREMENT

For flights operating within Armenian airspace the following shall apply.

Beginning 12 November 2012 at 0000 UTC all flight plans for Instrument Flight Rules (IFR) flights, or for flights where a portion of the flight will be completed under IFR, should be filed using the NEW content and format. Please note that Armenia uses the Integrated Initial Flight Plan Processing System (IFPS) service therefore flight plans for IFR flights, or flights operating as partial IFR, and intending to operate within Armenia are to be filed using IFPS.

Beginning 12 November 2012 at 0000 UTC, all flight plans for Visual Flight Rules (VFR) flights should be filed using the NEW content and format.

Flight plans filed using the PRESENT content and format will continue to be accepted until 0000 UTC on 15 November 2012.

IFR or VFR flight plans using the PRESENT content and format, which are filed after 15 November 2012 0000 UTC, will not be accepted. Attachment A to this AIC shows the indications within a flight plan that will be used to identify its format as either NEW or PRESENT.

As of 15 November 2012 at 0000 UTC, Armenia will accept VFR flight plans filed up to 120 hours in advance of the Estimated Off-Block Time (EOBT).

GUIDANCE

If any portion of a flight is planned to take place, or may possibly take place, after 0000 UTC on 15 November 2012, operators are strongly encouraged to file the applicable flight plan using the NEW content and format.

Repetitive Flight Plans (RPLs) for the 2012/2013 winter season should be submitted using the NEW content and format. An RPL with a validity period that extends beyond 15 November 2012 will not be accepted in PRESENT format.

During the transition period (prior to 15 November 2012) operators are responsible for transmitting the appropriate flight plan content and format accepted by the Air Navigation Services Providers (ANSP) that will provide services in the airspace where the flight will take place.

Operators are encouraged to use the IFPS Validation (IFPUV) Application (Attachment B), provided by EUROCONTROL, to test the validity of their flight plans well in advance of 15 November 2012.

Armenia is within the IFPS area. All flight plans for IFR flights, or where a portion of the flight will be carried out under IFR, are to be submitted to IFPS. The following schedule is applicable to the IFPS transition from PRESENT to NEW flight plans:

IFPS accepts today IFR flight plans (or portions thereof) filed in NEW format

As of 15 November 2012 0000 UTC, IFPS will no longer accept flight plans filed in PRESENT format.

Flights with a date of flight between 12 and 16 November 2012 cannot be submitted more than 24 hours in advance of the Estimated Off Block Time (EOBT).

As of 15 November 2012 0000 UTC, IFPS will resume accepting flight plans filed more than 24 hours in advance of the EOBT. Please note that flight plans filed more than 120 hours in advance of the EOBT will not be accepted.

Operators are reminded that IFPS cannot be used to submit flight plans operated entirely as VFR to Armenia.

Operators are strongly encouraged to always include the Date of Flight (DOF) in Item 18 of the flight plan. It is mandatory to include DOF if the flight plan is filed more than 24 hours in advance of the EOBT.

Operators should note the changed intention of Item 10 of the FPL. Under the NEW provisions, Item 10 indicates equipment and capabilities. Capability is comprised of three elements:

- a) presence of relevant serviceable equipment on board the aircraft;
- b) equipment and capabilities commensurate with flight crew qualification; and
- c) where applicable, authorization from the appropriate authority.

Attachment C to this Aeronautical Information Circular describes the changes to the ICAO FPL content and format in detail. The amendment to the ICAO flight planning provisions is available on the ICAO European and North Atlantic website (www.paris.icao.int) by following the links to “Other Meetings, Seminars & Workshops”, then to “FPL 2012 ICAO EUR Region Plan” and then to “Documentation related to FPL 2012 Amendment”. All documentation related to the IFPS implementation of these changes is available on the EUROCONTROL CFMU website (www.cfm.eurocontrol.int) by following the link to “ICAO 2012 FPL”.

AIC Attachment A – Indications of NEW and PRESENT formats

A flight plan is deemed to be PRESENT format if it contains any of the following indications:

- a) In Field 10a : J, M;
- b) In Field 10b : D;
- c) In STS/ : ATFMEXEMPTAPPROVED, free text i.e. any indication other than those specified;
- d) In PER/ : Indications other than A, B, C, D, E, H

A flight plan is deemed to be NEW format if it contains any of the following indications:

- a) In Field 10a : E1, E2, E3, J1, J2, J3, J4, J5, J6, J7, M1, M2, M3, P1, P2, P3, P4, P5, P6, P7, P8, P9;
- b) In Field 10b : E, H, L, B1, B2, U1, U2, V1, V2, D1, G1;
- c) In Item 18 : PBN/, SUR/, DLE/, TALT/, EUR/PROTECTED
Note: EUR/PROTECTED is to be used only within the IFPS Zone
- d) In STS/ : ATFMX
- e) In DAT/ : characters other than S, H, V, M
- f) A CHG, CNL, DLA, DEP messages containing Field 18 with more than just DOF/

If a flight plan contains none of the indications above it qualifies as both NEW and PRESENT and will be treated accordingly.

AIC Attachment B – IFPS Validation System

The IFPUV Application will detect whether a test flight plan contains NEW content and format and will highlight any syntax errors which are detected. It is important to note that the IFPUV Application can be used to syntax check any flight plan, whether or not any portion of the route is within the IFPS Zone (IFPZ). The IFPUV Application can also be used to syntax check flight plans for VFR flights.

The IFPUV Application will first check the syntax of the flight plan, and then will check whether the flight plan is entirely VFR and whether any portion of the route is within the IFPS. If the entire flight plan is VFR or if no part of the route is within the IFPZ, the following error message will be sent in return:

ROUTE 152: FLIGHT NOT APPLICABLE TO IFPS

If this is the only error message sent in return, the IFPUV Application has not detected any syntax errors.

If a syntax error is detected, the specific flight plan Item or Items will be highlighted and a description of the error or errors will be provided.

The IFPUV Application is available on the EUROCONTROL Central Flow Management Unit (CFMU) website (www.cfm.eucontrol.int), via the link to “CFMU NOP – Public”. After ensuring that the “TACTICAL” tab is selected, users should select the “IFPUV – Flight Planning” link. Test flight plans can be checked, as described above, using the “IFPUV – Free Text Editor”. Test flight plans are input and submitted one at a time.

AIC Attachment C – Detailed description of changes to ICAO FPL content and format

The ICAO provisions have been amended to specify that flight plans may not be filed more than 120 hours in advance of the EOBT.

When it is necessary to delay a flight over the midnight period, thereby changing the DOF, it is recommended to use a CHG message indicating the modification to both Field 13 (including EOBT) and Field 18 (including DOF). It should be noted that when modifying a field the data for the complete field must be provided and not just the modified elements, this is particularly significant for modifications to Field 18.

Air Traffic Services (ATS) data systems may impose constraints on information in flight plans. Significant constraints are to be notified in Aeronautical Information Publications (AIP).

The changes made to specific FPL Items are as follows:

Item 7 – Aircraft Identification – the explanation of this provision has been clarified to specify that the aircraft identification cannot exceed 7 alphanumeric characters and is not to include hyphens or symbols. No other changes have been made to the provision.

Item 8 – Flight Rules and Type of Flight – the explanation of the provision related to indicating flight rules has been clarified. It has also been clarified that it must be specified in Item 15 (Route) the point or points at which a change in flight rules is planned. Additional text has been added to highlight that the status of the flight is to be denoted in Item 18 following the STS indicator, using one of the defined descriptors, or that other reasons for specific handling by ATS are to be denoted in Item 18 following the RMK indicator. No other changes have been made to the provision.

Item 10 – Equipment and Capabilities – numerous changes have been made to this provision. It is important to note that Item 10 now also indicates capabilities, which consists of three elements: presence of relevant serviceable equipment on board the aircraft; equipment and capabilities commensurate with crew qualifications; and, where applicable, authorization from the appropriate authority.

The following provisions are applicable to Item 10a (Radio communication, navigation and approach aid equipment and capabilities):

INSERT one letter as follows:

N if no COM/NAV/approach aid equipment for the route to be flown is carried, or the equipment is unserviceable,

OR S if standard COM/NAV/approach aid equipment for the route to be flown is carried and serviceable (see Note 1),

AND/OR

INSERT one or more of the following letters to indicate the serviceable COM/NAV/approach aid equipment and capabilities available:

A	GBAS landing system	J7	CPDLC FANS 1/A SATCOM (Iridium)
B	LPV (APV with SBAS)	K	MLS
C	LORAN C	L	ILS
D	DME	M1	ATC RTF SATCOM (INMARSAT)
E1	FMC WPR ACARS	M2	ATC RTF (MTSAT)
E2	D-FIS ACARS	M3	ATC RTF (Iridium)
E3	PDC ACARS	O	VOR
F	ADF	P1–P9	Reserved for RCP
G	GNSS (<i>See Note 2</i>)		
H	HF RTF	R	PBN approved (<i>see Note 4</i>)
I	Inertial Navigation	T	TACAN
J1	CPDLC ATN VDL Mode 2(<i>See Note 3</i>)	U	UHF RTF
J2	CPDLC FANS 1/A HF DL	V	VHF RTF
J3	CPDLC FANS 1/A VDL Mode 4	W	RVSM approved
J4	CPDLC FANS 1/A VDL Mode 2	X	MNPS approved
J5	CPDLC FANS 1/A SATCOM (INMARSAT)	Y	VHF with 8.33 kHz channel spacing capability
J6	CPDLC FANS 1/A SATCOM (MTSAT)	Z	Other equipment carried or other capabilities (<i>see Note 5</i>)

Any alphanumeric characters not indicated above are reserved.

Note 1.— If the letter S is used, standard equipment is considered to be VHF RTF, VOR and ILS, unless another combination is prescribed by the appropriate ATS authority.

Note 2.— If the letter G is used, the types of external GNSS augmentation, if any, are specified in Item 18 following the indicator NAV/ and separated by a space.

Note 3.— See RTCA/EUROCAE Interoperability Requirements Standard For ATN Baseline 1 (ATN B1 INTEROP Standard – DO-280B/ED-110B) for data link services air traffic control clearance and information/air traffic control communications management/air traffic control microphone check.

Note 4.— If the letter R is used, the performance based navigation levels that can be met are specified in Item 18 following the indicator PBN/. Guidance material on the application of performance based

navigation to a specific route segment, route or area is contained in the Performance-Based Navigation Manual (Doc 9613).

Note 5.— If the letter Z is used, specify in Item 18 the other equipment carried or other capabilities, preceded by COM/ , NAV/ and/or DAT, as appropriate.

Note 6.— Information on navigation capability is provided to ATC for clearance and routing purposes.

The following provisions are applicable to Item 10b (Surveillance equipment and capabilities):

INSERT N if no surveillance equipment for the route to be flown is carried, or the equipment is unserviceable,

OR

INSERT one or more of the following descriptors, to a maximum of 20 characters, to describe the serviceable surveillance equipment and/or capabilities on board:

SSR Modes A and C

- A Transponder — Mode A (4 digits — 4 096 codes)
- C Transponder — Mode A (4 digits — 4 096 codes) and Mode C

SSR Mode S

- E Transponder — Mode S, including aircraft identification, pressure-altitude and extended squitter (ADS-B) capability
- H Transponder — Mode S, including aircraft identification, pressure-altitude and enhanced surveillance capability
- I Transponder — Mode S, including aircraft identification, but no pressure-altitude capability
- L Transponder — Mode S, including aircraft identification, pressure-altitude, extended squitter (ADS-B) and enhanced surveillance capability
- P Transponder — Mode S, including pressure-altitude, but no aircraft identification capability
- S Transponder — Mode S, including both pressure altitude and aircraft identification capability
- X Transponder — Mode S with neither aircraft identification nor pressure-altitude capability

Note.— Enhanced surveillance capability is the ability of the aircraft to down-link aircraft derived data via a Mode S transponder.

ADS-B

- B1 ADS-B with dedicated 1090 MHz ADS-B “out” capability
- B2 ADS-B with dedicated 1090 MHz ADS-B “out” and “in” capability
- U1 ADS-B “out” capability using UAT
- U2 ADS-B “out” and “in” capability using UAT
- V1 ADS-B “out” capability using VDL Mode 4
- V2 ADS-B “out” and “in” capability using VDL Mode 4

ADS-C

- D1 ADS-C with FANS 1/A capabilities
- G1 ADS-C with ATN capabilities

Alphanumeric characters not indicated above are reserved.

Example: ADE3RV/HB2U2V2G1

Note.— Additional surveillance application should be listed in Item 18 following the indicator SUR/ .

Item 13– Departure aerodrome and time – some clarifications have been made and additional provisions included regarding how to indicate departure aerodromes which have not been assigned an ICAO four-letter designator. The following provisions are applicable to Item 13:

INSERT the ICAO four-letter location indicator of the departure aerodrome as specified in Doc 7910, *Location Indicators*,

OR, if no location indicator has been assigned,

INSERT ZZZZ and *SPECIFY*, in Item 18, the name and location of the aerodrome preceded by DEP/,

OR, the first point of the route or the marker radio beacon preceded by DEP/..., if the aircraft has not taken off from the aerodrome,

OR, if the flight plan is received from an aircraft in flight,

INSERT AFIL, and *SPECIFY*, in Item 18, the ICAO four-letter location indicator of the location of the ATS unit from which supplementary flight plan data can be obtained, preceded by DEP/.

THEN, WITHOUT A SPACE,

INSERT for a flight plan submitted before departure, the estimated off-block time (EOBT),

OR, for a flight plan received from an aircraft in flight, the actual or estimated time over the first point of the route to which the flight plan applies.

Item 15c Route (including changes of speed, level and/or flight rules) – an editorial change has been made to clarify that it is possible to indicate, at a single point, where it is planned that a change of speed or level or both is planned to commence, or a change of ATS route and/or a change of flight rules.

The provision has been expanded to include the possibility of describing a significant point in the route as a bearing or distance from a “reference point”, rather than only from a navigational aid, as follows:

Bearing and distance from a reference point:

The identification of the reference point, followed by the bearing from the point in the form of 3 figures giving degrees magnetic, followed by the distance from the point in the form of 3 figures expressing nautical miles. In areas of high latitude where it is determined by the appropriate authority that reference to degrees magnetic is impractical, degrees true may be used. Make up the correct number of figures, where necessary, by insertion of zeros — e.g. a point 180° magnetic at a distance of 40 nautical miles from VOR “DUB” should be expressed as DUB180040.

Item 16 - The title of Item 16 has been clarified to specify that the “alternate aerodrome(s)” being referred to is(are) the destination alternate aerodrome(s). Additionally, the provision related to estimated elapsed time has been clarified, along with the descriptions of how to indicate the locations, as follows:

Destination aerodrome and total estimated elapsed time (8 characters)

INSERT the ICAO four-letter location indicator of the destination aerodrome as specified in Doc 7910, *Location Indicators*,

OR , if no location indicator has been assigned,

INSERT ZZZZ and *SPECIFY* in Item 18 the name and location of the aerodrome, preceded by DEST/ .

THEN WITHOUT A SPACE

INSERT the total estimated elapsed time.

Note.— For a flight plan received from an aircraft in flight, the total estimated elapsed time is the estimated time from the first point of the route to which the flight plan applies to the termination point of the flight plan.

Destination alternate aerodrome(s)

INSERT the ICAO four-letter location indicator(s) of not more than two destination alternate aerodromes, as specified in Doc 7910, *Location Indicators*, separated by a space,

OR, if no location indicator has been assigned to the destination alternate aerodrome(s),

INSERT ZZZZ and *SPECIFY* in Item 18 the name and location of the destination alternate aerodrome(s), preceded by ALTN/ .

Item 18 – Other Information – significant changes have been made to these provisions.

Operators are warned that the use of indicators not included in the provisions may result in data being rejected, processed incorrectly or lost.

The provision has been clarified to indicate that hyphens “-“ or oblique strokes “/” should only be used as described.

The provision has been amended such that only indicators described in the provisions may be used, and they must be inserted in the order shown. The indicators defined are as follows, and are listed in the order in which they are to be inserted, if used:

STS/ Reason for special handling by ATS, e.g. a search and rescue mission, as follows:

ALTRV: for a flight operated in accordance with an altitude reservation;

ATFMX: for a flight approved for exemption from ATFM measures by the appropriate ATS authority;

FFR: fire-fighting;

FLTCK: flight check for calibration of nav aids;

HAZMAT: for a flight carrying hazardous material;

HEAD: a flight with Head of State status;

HOSP: for a medical flight declared by medical authorities;

HUM: for a flight operating on a humanitarian mission;

MARSA: for a flight for which a military entity assumes responsibility for separation of military aircraft;

MEDEVAC: for a life critical medical emergency evacuation;

NONRVSM: for a non-RVSM capable flight intending to operate in RVSM airspace;

SAR: for a flight engaged in a search and rescue mission; and

STATE: for a flight engaged in military, customs or police services.

Other reasons for special handling by ATS shall be denoted under the designator RMK/.

PBN/ Indication of RNAV and/or RNP capabilities. Include as many of the descriptors below, as apply to the flight, up to a maximum of 8 entries, i.e. a total of not more than 16 characters.

	RNAV SPECIFICATIONS
A1	RNAV 10 (RNP 10)
B1	RNAV 5 all permitted sensors
B2	RNAV 5 GNSS
B3	RNAV 5 DME/DME

B4	RNAV 5 VOR/DME
B5	RNAV 5 INS or IRS
B6	RNAV 5 LORANC
C1	RNAV 2 all permitted sensors
C2	RNAV 2 GNSS
C3	RNAV 2 DME/DME
C4	RNAV 2 DME/DME/IRU
D1	RNAV 1 all permitted sensors
D2	RNAV 1 GNSS
D3	RNAV 1 DME/DME
D4	RNAV 1 DME/DME/IRU
	RNP SPECIFICATIONS
L1	RNP 4
O1	Basic RNP 1 all permitted sensors
O2	Basic RNP 1 GNSS
O3	Basic RNP 1 DME/DME
O4	Basic RNP 1 DME/DME/IRU
S1	RNP APCH
S2	RNP APCH with BARO-VNAV
T1	RNP AR APCH with RF (special authorization required)
T2	RNP AR APCH without RF (special authorization required)

Combinations of alphanumeric characters not indicated above are reserved.

NAV/ Significant data related to navigation equipment, other than specified in PBN/, as required by the appropriate ATS authority. Indicate GNSS augmentation under this indicator, with a space between two or more methods of augmentation, e.g. NAV/GBAS SBAS. COM/ Indicate communications applications or capabilities not specified in Item 10a. DAT/ Indicate data applications or capabilities not specified in 10a. SUR/ Include surveillance applications or capabilities not specified in Item 10b.

DEP/ Name and location of departure aerodrome, if ZZZZ is inserted in Item 13, or the ATS unit from which supplementary flight plan data can be obtained, if AFIL is inserted in Item 13. For aerodromes not listed in the relevant Aeronautical Information Publication, indicate location as follows:

With 4 figures describing latitude in degrees and tens and units of minutes followed by “N” (North) or “S” (South), followed by 5 figures describing longitude in degrees and tens and units of minutes, followed by “E” (East) or “W” (West). Make up the correct number of figures, where necessary, by insertion of zeros, e.g. 4620N07805W (11 characters).

- OR*, Bearing and distance from the nearest significant point, as follows:
- The identification of the significant point followed by the bearing from the point in the form of 3 figures giving degrees magnetic, followed by the distance from the point in the form of 3 figures expressing nautical miles. In areas of high latitude where it is determined by the appropriate authority that reference to degrees magnetic is impractical, degrees true may be used. Make up the correct number of figures, where necessary, by insertion of zeros, e.g. a point of 180° magnetic at a distance of 40 nautical miles from VOR “DUB” should be expressed as DUB180040.
- OR*, The first point of the route (name or LAT/LONG) or the marker radio beacon, if the aircraft has not taken off from an aerodrome.
- DEST/* Name and location of destination aerodrome, if *ZZZZ* is inserted in Item 16. For aerodromes not listed in the relevant Aeronautical Information Publication, indicate location in LAT/LONG or bearing and distance from the nearest significant point, as described under *DEP/* above.
- DOF/* The date of flight departure in a six figure format (YYMMDD, where YY equals the year, MM equals the month and DD equals the day).
- REG/* The nationality or common mark and registration mark of the aircraft, if different from the aircraft identification in Item 7.
- EET/* Significant points or FIR boundary designators and accumulated estimated elapsed times from take-off to such points or FIR boundaries, when so prescribed on the basis of regional air navigation agreements, or by the appropriate ATS authority.
- Examples: EET/CAP0745 XYZ0830
EET/EINN0204
- SEL/* SELCAL Code, for aircraft so equipped.
- TYP/* Type(s) of aircraft, preceded if necessary without a space by number(s) of aircraft and separated by one space, if *ZZZZ* is inserted in Item 9.
- Example: TYP/2F15 5F5 3B2
- CODE/* Aircraft address (expressed in the form of an alphanumerical code of six hexadecimal characters) when required by the appropriate ATS authority. Example: “F00001” is the lowest aircraft address contained in the specific block administered by ICAO.
- RVR/* The minimum RVR requirement of the flight.
- Note.— This provision is detailed in the European Regional Supplementary Procedures (EUR SUPPs, Doc 7030), Chapter 2.*
- DLE/* Enroute delay or holding, insert the significant point(s) on the route where a delay is planned to occur, followed by the length of delay using four figure time in hours and minutes (hhmm).
- Example: DLE/MDG0030
- OPR/* ICAO designator or name of the aircraft operating agency, if different from the aircraft identification in item 7.
- ORGN/* The originator’s 8 letter AFTN address or other appropriate contact details, in cases where the originator of the flight plan may not be readily identified, as required by the appropriate ATS authority.
- Note.— In some areas, flight plan reception centres may insert the ORGN/ identifier and originator’s AFTN address automatically.*
- PER/* Aircraft performance data, indicated by a single letter as specified in the *Procedures for Air Navigation Services — Aircraft Operations (PANS-OPS, Doc 8168), Volume I — Flight Procedures*, if so prescribed by the appropriate ATS authority.
- ALTN/* Name of destination alternate aerodrome(s), if *ZZZZ* is inserted in Item 16. For aerodromes not listed in the relevant Aeronautical Information Publication, indicate location in LAT/LONG or bearing and distance from the nearest significant point, as described in *DEP/* above.

- RALT/ ICAO four letter indicator(s) for en-route alternate(s), as specified in Doc 7910, *Location Indicators*, or name(s) of en-route alternate aerodrome(s), if no indicator is allocated. For aerodromes not listed in the relevant Aeronautical Information Publication, indicate location in LAT/LONG or bearing and distance from the nearest significant point, as described in DEP/ above.
- TALT/ ICAO four letter indicator(s) for take-off alternate, as specified in Doc 7910, *Location Indicators*, or name of take-off alternate aerodrome, if no indicator is allocated. For aerodromes not listed in the relevant Aeronautical Information Publication, indicate location in LAT/LONG or bearing and distance from the nearest significant point, as described in DEP/ above.
- RIF/ The route details to the revised destination aerodrome, following by the ICAO four-letter location indicator of the aerodrome. The revised route is subject to reclearance in flight.
- Examples: RIF/DTA HEC KLAX
RIF/ESP G94 CLA YPPH
- RMK/ Any other plain language remarks when required by the appropriate ATS authority or deemed necessary.
- RFP/ Q followed by a digit to indicate the sequence of the replacement flight plan being submitted.

Note.— This provision is detailed in the European Regional Supplementary Procedures (EUR SUPPs, Doc 7030), Chapter 2.

- END -