



Ministry of Transport of the Russian Federation
FSUE “ZaschitaInfoTrans”

**Integrated Government Information System for Transport
Security**

**Automated Centralized Databases of Personal Data on
Passengers and Personnel (Crew Members) of Means of
Transportation**

Requirements on Advance Passenger Information
Transmission for Air Operations

Version AIROP-03.04.2018

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Revision History

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03.04.2018	Added section "Secure Data Transmission to the ACDPDP."	Section 6
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22.08.2016	Added information on transmission of advance passenger Information via SMTP gateway	
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1. General Information

This manual is addressed to air operators to provide implementation guidelines for preparation and transfer of advance passenger information (API) to the Automated Centralized Databases of Personal Data on Passengers and Personnel (Crew Members) of Means of Transportation (hereinafter ACDPDP). The requirements are subject to change in the course of system further development and upgrade. Russian text of the requirements has a superiority to the text in this manual.

The ACDPDP are the part of the Integrated Government Information System for Transport Security (hereinafter IGIS TS) of Russian Federation.

The IGIS TS is designed for the informational support of transport security authorities of the Russian Federation in order to provide sustainable and safe functioning of the transport system, protecting the individual, society and the state interests in transport industry from acts of illegal interference.

The IGIS TS is operated by the Ministry of Transport of the Russian Federation including processing the information contained in the ACDPDP. For technical operation of IGIS TS including ACDPDP the Federal State Unitary Enterprise "ZaschitaInfoTrans of Ministry of Transport of the Russian Federation" (FSUE "ZaschitaInfoTrans") is responsible.

The basis for submission of data on passenger transportation to ACDPDP is comprised of:

- Federal law No. 16-FZ "On Transport Security" (article 11) of Feb. 09, 2007;
- Order of the Ministry of Transport of the Russian Federation No. 243 "On Approval of Procedure for Formation and Maintenance of Automated Centralized Databases of Personal Data on Passengers (Crew Members), and Provision of Data Contained in Them" of July 19, 2012.

2. Using SITATEX Type B protocol to Transmit PAXLST messages

2.1. All PAXLST messages (for passengers and crew) are to be transmitted to MOWRU8X using SITATEX Type B protocol. SITA address MOWRU8X is used both for production and for testing purposes. PAXLST standard UN/EDIFACT is the only available message format for transmission over the gateway SITATEX Type B.

2.2. The recommended size for a message is not to exceed 3500 bytes. Maximum allowable size of the message must not exceed 64 kilobytes. If the size of data transmitted exceeds the maximum allowed, the data should be split into several independent messages. If the data is divided into several messages each message must include all mandatory elements. The data in each message must contain the flight number and date and time of departure.

2.3. General requirements for PAXLST format implementation are based on the UN/EDIFACT PAXLST standard, versions D02B and D05B, as well as “WCO/IATA/ICAO Guidelines On Advance Passenger Information (API)”, 2013.

2.4. Data elements of personal data on passengers and crew members mandatory for transmission in UN/EDIFACT messages are listed in Table 1. Sample PAXLST message is available in Appendix 1.

Table 1 — Data Elements of Personal Data on Passengers and Crew Mandatory for Transmission in UN/EDIFACT Messages

Data element	PAXLST element (group/segment/ tag/name)	Notes
Data and time of preparation of the message	UNB/S004:0017/ Date of preparation	The default format is 'YMMMDD'
	UNB/S004:0019/ Time of preparation	The default format is 'HHMM' In local time of the airport of departure
Surname	Group4/NAD/C080:3036/ Party name (1)	
Name	Group4/NAD/C080:3036/ Party name (2)	
Patronymic (second name)	Group4/NAD/C080:3036/ Party name (3)	NA – if not available
Document type code	Group5/DOC/C002:1001/ Document name code	I – ID Card T – Re-Entry or Refugee Permit A – Alien Registration Card C – Permanent Resident Card M – Military Card P – Passport
Document number	Group5/DOC/C503:1004/ Document identifier	
Birth date	Group4/DTM/C507:2380/ Date or time or period text, at DTM/C507:2005 = '329'	
Type of personal data	Group4/NAD/3035/ Party function code qualifier	FL – Passenger DDU – Passenger, when the flight number changes FM – Crew Member DDT – Crew Member, when the flight number changes
Member crew grade code	Group4/EMP/C948:9005/ Employment category description code at EMP/9003 = '1'	CR1 - cockpit crew and individuals inside cockpit CR2 - cabin crew (e.g. flight attendants) CR3 - airline operations management with cockpit access (e.g. instructors, safety personnel) CR4 - cargo non-cockpit crew and/or non-crew individuals CR5 - pilots on board but not on duty (e.g. deadhead)
Flight number	Group2/TDT/8028/ Means of transport journey identifier,	1) For regular flights flight number should contain airline carrier code and operational suffix. 2) For charters the aircraft registration must be indicated in

		this element. In this case airline carrier code (Group2/TDT/C040:3127/) also must be provided.
	at TDT/8051 = '20'	Flights with landing on the territory of Russian Federation
	at TDT/8051 = '34'	Overflights over the territory of Russian Federation
Airline carrier code	Group2/TDT/C040:3127/	IATA/ICAO carrier code or Russian internal airline carrier code or unique carrier ID assigned by IGIS TS operator. Airline which actually operates the flight must be indicated
Airport of departure	Group3/LOC/C517:3225/ Location identifier,	
	at LOC/3227 = '125'	Last airport of departure from a foreign country
	at LOC/3227 = '92'	Next airport in the country of destination
Scheduled date and time of departure	Group3/DTM/C507:2380/ Date or time or period text, at DTM/C507:2005 = '189'	In local time
Airport of arrival	Group3/LOC/C517:3225/ Location identifier,	
	at LOC/3227 = '87'	First airport of arrival in the country of destination
	at LOC/3227 = '130'	Final destination airport in the country of destination
Scheduled date and time of arrival	Group3/DTM/C507:2380/ Date or time or period text, at DTM/C507:2005 = '232'	In local time
Gender	Group4/ATT/C956:9019/ Attribute description code, at ATT/9017 = '2'	M – Male F – Female U, X – Not indicated
Citizenship	Group4/NAT/C042:3293/ Nationality name code, at NAT/3493 = '2'	ISO 3166-1 alpha-2 or alpha-3 country code
PNR indicator code	Group4/RFF/C506:1154/ Reference identifier at RFF/C506:1153 = 'AVF'	NA – if not available

3. Types of BGM Segments

All acceptable types of BGM segments are listed in the Table 2. When transmitting any message all mandatory data elements (Table 1) are to be specified.

Table 2 — Acceptable Types of BGM Segments

PAXLST Element (segment/tag/name)	Allowable Values	Notes
BGM/C002:1001/ Document name code	745 – Passenger list 250 – Crew list 266 – Changes in flight status	
BGM/C106:1004/ Document identifier at BGM/C002:1001='745'	<empty> - Full passenger list	
	CP – Change passenger data or full passenger list after check-in close out	
	XR – Cancel reservation	
	RP – Reduction in party (delete passenger on PNR)	(*)
	CI:1.0 – Passenger List, as result of check-in	Can be used as equivalent to BGM+266+CL
	DC:1.0 – All passengers that have departed	Can be used as equivalent to BGM+266+CLOB
BGM/C106:1004/ Document identifier at BGM/C002:1001='250'	<empty> - Passenger flight, regular scheduled crew	
	C – Passenger flight, regular scheduled crew	(*)
	CC – Passenger flight, crew change	
	B – Cargo flight, regular scheduled crew	
	BC – Cargo flight, crew change	
	A – Overflight of passenger flight	(*)
	D – Overflight of cargo flight	(*)
BGM/C106:1004/ Document identifier at BGM/C002:1001='266'	CLOB – All passengers that have departed	
	CLNB – All passengers that checked-in but are not travelling	
	CL - Full Passenger list after check-in close out	(*)
UNB/S003:0010/ Recipient identification code	RUSAPIS – Transmission to production system	
	RUSTESTAPIS – Test transmission	

Denotation: (*) – if technically possible

4. Timetable of API Data Transmission

API data on passengers and crew is submitted to ACDPDP on a round-the-clock basis according to the Table 3 and Table 4.

Table 3 — Timetable for Transmission of API Data on Passengers (regular and irregular international flights, overflights, charters)

Method 1 – Transmission of Packages

Time of Transmission (before ...)	Types of PAXLST Messages	Contents of Messages	Note
STD-24h	BGM+745'	Full passenger list (from GDS)	M
ETD-15min (check-in close-out)	BGM+745+CP' (preferable) or BGM+745' or BGM+266+CL	All passenger that have checked-in (from DCS)	M
	BGM+745+XR' and/or BGM+745+RP'	List of passengers who refused the trip before the check-in close out	C
ATD+40min (flight close-out)	BGM+266+CLOB'	All passengers that have departed (if there are any changes in passenger list after check-in close-out)	C
	BGM+266+CLNB'	All passengers that checked-in but are not traveling out (if there are any changes in passenger list after check-in close-out)	C

Method 2 – Transmission at API Data Changes

Time of Transmission (before ...)	Types of PAXLST Messages	API data changes	Note
STD-24h	BGM+745'	Full passenger list (PNL) from GDS	M
ETD-15min (check-in close-out)	BGM+745'	New passengers (ADL ADD) from GDS	C
	BGM+745+CP'	API data changes during check-in	C
	BGM+745+CP'	Check-in of passengers (NoRec/Go-Show) who show up at airport without reservation	C
	BGM+745+XR' or BGM+745+RP'	List of passengers who refused the trip before the check-in close out (at the receiving ADL DEL message from GDS)	C
ATD+40min (flight close-out)	BGM+745+XR' and/or BGM+745+RP'	List of passengers who refused the trip during check-in	C
	BGM+266+CLOB'	All passengers that have departed (if there are any changes in passenger list after check-in close-out)	C
	BGM+266+CLNB'	All passengers that checked-in but are not traveling out (if there are any changes in passenger list after check-in close-out)	C

Abbreviations and Denotations:

STD – Scheduled Time of Departure

ETD – Estimated Time of Departure

ATD – Actual Time of Departure

M – Mandatory transmission

C – Conditional transmission (in case of changes to earlier provided data)

Table 4 — Timetable for Transmission of API Data on Crew (regular and irregular international flights, overflights, charters)

Time of Transmission (before ...)	Types of PAXLST Messages	Contents of Messages	Note
STD-24h	BGM+250'	Passenger flight, regular scheduled crew	M
	BGM+250+C'	Passenger flight, regular scheduled crew	(*)
	BGM+250+B'	Cargo flight, regular scheduled crew	M
	BGM+250+A'	Crew list, overflight of passenger flight	(*)
	BGM+250+D'	Crew list, overflight of cargo flight	(*)
ATD	BGM+250+CC'	Passenger flight, crew change	C
	BGM+250+BC'	Cargo flight, crew change	C

Abbreviations and Denotations:

STD – Scheduled Time of Departure

ATD – Actual Time of Departure

M – Mandatory transmission

C – Conditional transmission (in case of changes to earlier provided data)

(*) – if technically possible

5. Transmission of Advance Passenger Information via FTP Gateway

5.1. The FTP gateway can be used to transmit data both in PAXLST format (as defined in UN/EDIFACT) and in CSV format (compliant with RFC 4180).

The FTP gateway has separate connections for each data type:

- advance passenger information;
- acknowledgements of receipt with results on processed data.

Transmission of data files on the application level is carried out in course of regular transmission sessions to FTP servers of the ACDPDP gateway. A transmission session is comprised of the following consecutive operations:

- initialization of a connection session by information supplier's information system with an FTP server;
- upload of files by information supplier to a pre-set directory on the FTP server;
- closure of the connection session by information supplier's information system.

Receiving of files on the application level is carried out by the ACDPDP gateway tools after upload sessions are completed and closed by information supplier. Receiving is comprised of the following consecutive operations:

- verification of uploaded exchange files by the ACDPDP gateway tools;
- processing of received data and formation of a return receipt file with processing results;
- publication of the receipt file of the ACDPDP gateway, deletion of the file.

5.2. In order to transmit data via Internet, the API supplier should create main and backup transmission channels, with connection via different network providers.

5.3. API on passengers and crew through the FTP gateway is submitted on the same basis as for PAXLST messages.

API on passengers is transmitted as shown for the method 1 “Transmission of Packages” in the Table 3 in the Section 4 i.e. on booking before STD-24h, upon check-in close out before ETD-15m, upon departure before ATD+40m.

API on crew is transmitted as shown in the Table 4 in the Section 4 i.e. before STD-24h and on changes immediately but not later ATD.

6. Secure Data Transmission to the ACDPDP

6.1. Protection of information in ACDPDP and during information exchange is carried out in accordance with the legislation of the Russian Federation.

6.2. IGIS TS operator, providers and users of information in the collection, storage, processing and transfer of personal data of passengers are required to follow the Federal Law of July 27, 2006 No. 152-FZ "On personal data", Federal Law of July 27, 2006 No. 149-FZ "On information, information technology and data protection", the Regulation on the security of personal data during their processing in the information systems of personal data, enacted by the resolution of the Government of the Russian Federation of November 17, 2007 No. 781, and the "Procedure of formation and maintenance of automated centralized databases of personal data on passengers and of provision of data contained therein" approved by the Order of Russian Ministry of Transport on July 19, 2012, No. 243.

6.3. Security of personal data during their processing in ACDPDP and during the information exchange within the scope of responsibility of the participants is provided through a system of protection of personal data, which includes organizational measures and means of protection of information (including cryptography) and information technologies used. Selection and implementation of information security measures in the information system are based on the determined by the IGIS TS operator and information exchange participants threats to personal data security (threat models) and depending on the class of the information system, as determined in accordance with the Procedure of the classification of personal data information systems, enacted by the joint order of the Federal Service for Technical and Export Control, Federal Security Service of the Russian Federation and the Ministry of Communication and Mass Media of the Russian Federation of February 13, 2008 No. 55/86/20.

6.4. ACDPDP data are provided to users in accordance with the Regulation on the security of personal data during their processing in personal data information systems, enacted by the resolution of the Government of the Russian Federation of November 17, 2007 No. 781.

6.5. Processing of passenger data in ACDPDP is carried out in accordance with Part 2 Art. 5 of the Federal Law of July 27, 2006 No. 152-FZ "On personal data."

6.6. The method of protecting the data transmission channel is determined by the IGIS TS service operator by negotiation with the information provider. Possible options for protecting the data transmission channel are presented on the page "Connection Procedure" at web-site www.z-it.ru.

7. Naming EDF (PAXLST) Files with Advance Passenger Information

7.1. Data on passenger transportation can be submitted to ACDPDP in a form of PAXLST messages as described in the Section 2 and Section 3.

7.2. PAXLST files have to be created with a unique name and named as per the following template:

ID_YYYY_MM_DD_HH_mm_ss_mss.edf

where:

ID – unique ID is assigned to the information supplier by the ACDPDP operator;

YYYY – year (i.e. 2016);

MM – month (01 to 12);

DD – day (01 to 31);

HH – hour (00 to 23);

mm – minutes (00 to 59);

ss – seconds (00 to 59);

mss – milliseconds (00 to 999).

Date and time in the filename should correspond to the date and time of its creation.

If a filename is not unique, an error code is given, stating that this file is already uploaded.

8. Naming CSV Files with Advance Passenger Information

8.1. CSV (Comma Separated Values) files containing API must comply RFC 4180. The separator is semicolon. First line in the file should contain field names which are case sensitive.

8.2. The UTF-8 codepage as per RFC 3629 and ISO/IEC 10646 Annex D, without byte ordering mark (BOM) must be used to encode any text.

8.3. Time must be indicated in accordance with ISO 8601 in Coordinated Universal Time (UTC):

YYYY-MM-DDTHH:mmZ or YYYY-MM-DD HH:mmZ

Otherwise time may be indicated in local time with UTC offset:

YYYY-MM-DDTHH:mm±hh:mm or YYYY-MM-DD HH:mm±hh:mm

It is allowed to replace the delimiter “T” by single blank space character.

8.4. One file with personal data cannot contain more than 99999 entries.

8.5. Each file must have unique name. If a filename is not unique, an error code is given. File names must comply the following template:

ID_YYYY_MM_DD_HH_mm_ss_mss.csv

where:

ID	- unique ID is assigned to the information supplier by the ACDPDP operator;
YYYY	- year (i.e. 2016);
MM	- month (01 to 12);
DD	- day (01 to 31);
HH	- hour (00 to 23);
mm	- minutes (00 to 59);
ss	- seconds (00 to 59);
mss	- milliseconds (000 to 999).

Date and time in the filename must be in UTC and should correspond the date and time of file creation.

8.6. CSV file must be compressed per “ZIP File Format Specification, Version: 6.3.3” before the transmission.

Compressed files must be named using the following template:

ID_YYYY_MM_DD_HH_mm_ss_mss.csv.zip

8.7. The resulting size of archived file should not exceed 1MB.

9. Fields in CSV File and Their Description

Field Name	Format	Description
surname	STRING	Surname
name	STRING	Name
patronymic	STRING	Patronymic (father's name) — <i>NA when unavailable</i>
docType	CODE	Type of identification document — <i>as per Section 10</i>
docNumber	STRING	Identification document number Input digits of document number without separators.
birthdate	STRING	Date of birth — <i>format DD.MM.YYYY</i>
transfer	CODE	Traveller route type 0 — nonstop 1 — transit
overFlight	CODE	0 — flight with landing on Russian territory 1 — flight without landing on Russian territory
typePDP	CODE	0 — crew 1 — passenger
crewRoleCode	CODE	1 — cockpit crew and individuals inside cockpit 2 — cabin crew (e.g. flight attendants) 3 — airline operations management with cockpit access (e.g. instructors, safety personnel) 4 — cargo non-cockpit crew and/or non-crew individuals 5 — pilots on board but not on duty (e.g. deadhead)
operationType	CODE	Operation type — <i>as per Section 11</i>
registerTimeIS	UTC	Operation date and time — <i>as registered in the information system of the information supplier. Time format as per Section 8.3</i>
airlineCode	CODE	IATA or ICAO airline code, or code assigned by the ACDPDP operator for the operating carrier
flightNum	STRING	Flight number — <i>1 to 4 digits</i>
operSuff	STRING	Operational suffix — <i>one letter</i>
departPlace	CODE	IATA or ICAO airport code
departDateTime	UTC	Date and time of departure — <i>as per Section 8.3</i>
arrivePlace	CODE	IATA or ICAO airport code
arriveDateTime	UTC	Date and time of arrival — <i>as per Section 8.3</i>
gender	CODE	M — male F — female U, X — not indicated
citizenship	CODE	Citizenship — <i>alpha-2 or alpha-3 country code in accordance with ISO 3166</i>
pnrId	STRING	PNR locator or <i>NA when unavailable</i>

10. Identity Documents and Their Codes

To use in docType field (see Section 9).

Code	Name
0	Passport of Russian citizen
1	Seafarer's identity document
2	Foreign passport of Russian citizen
3	Passport of foreign citizen
4	Certificate of birth
5	Identity card of military man
6	Identity card of person without citizenship
7	Temporary identity card issued by internal affairs bodies
8	Military registration card of military man on involuntary service
9	Residence permit of foreign citizen or person without citizenship
10	Certificate of release from prison
11	Passport of the USSR citizen
12	Diplomatic passport
13	Service passport (except for seafarer's doc and diplomatic passport)
14	Certificate of return from CIS country
15	Certificate of passport loss
18	Certificate of temporary asylum
99	Other documents (according to Russian legislation)

11. Operations with Travel Documents and Their Codes

For use in operationType field (see Section 9).

Code	Name
0	Ticket reservation
1	Ticket purchase
2	Ticket return
3	Reissue (without changing seat numbers)
4	Registration
5	Special control
6	Embarkation
7	Disembarkation
8	Ticket clearance
9	Order cancellation
10	Internet reservation
11	On-line registration
12	Advance reservation
13	Advance reservation cancellation
14	Departure
15	Departure cancellation
16	Registration cancellation
17	Data correction
50	Crew member inclusion
51	Crew member exclusion

Note: Operations with codes 00–17 are applicable to passengers. Operations with codes 17, 50 and 51 are applicable to crew members only.

12. Receipt Files

In course of a session, information supplier's information system should check for available receipts for previously uploaded files, receive receipts containing processing results and log the exchange files processing results. In case of error during processing of exchange file data, steps should be taken to correct those errors and re-upload the data. Receipt file is an XML file generated which contains the results of processing of the submitted information. Receipt file contains error codes and error descriptions both in Russian and English languages. UTF-8 codepage is used, as per RFC 3629 and ISO/IEC 10646 Annex D, without byte ordering mark (BOM). Receipt files are formed in accordance with the scheme, which is provided by request.

Receipt file name is the same as the original file. If the "Status" field of the receipt contains "true" statement, the data file was processed, otherwise it contains "false".

Receipt files are stored on the ACDPDP FTP server for a maximum of 14 days.

Sample receipt files without and with errors detected during data processing are shown in the Appendix 3.

Error codes used in receipt files are indicated in the Section 13.

13. Error Codes and Their Description

Code	Description
Error codes for whole file archive	
0	Processing successful
-1	Error opening archive. Or archive broken; unknown compression algorithm; archive empty (no files inside). File/archive not processed.
-2	Errors in archived files. Archive unpacked, but unpacked files contain errors.
-3	Empty file. Archive has zero byte filesize. File/archive not processed.
-999	Parsing error
Error codes for files in archive	
-1000	Critical error: no entries could be parsed
-1001	Critical error: CSV file contains no data
-1002	No valid entries in file. Entries parsed, but none fit for adding. File data not added to the system.
-1003	Incorrect document encoding. Files should be submitted in UTF-8 without BOM. File data not added to the system.
-1004	Entry parsing error.
-1005	Incorrect file format. File data not added to the system.
-10000	Critical error: missing Header of CSV file of CSV file, or header does not contain all mandatory fields
-10001	Header contains excessive fields not defined by Requirements. Data in excessive fields will be ignored.
-31056	Critical error: missing mandatory field in the header of CSV file
-31058	Critical error: header of CSV file contains unknown field
-31064	Failed to generate XML file
-31065	Error: empty message or unzipping error
-31066	Error: failed to process service bus message (FileMessage XML)
Error codes for entries within a file	
-2002	Data element's value validation error
-31000	Critical error: flight number is not a number
-31003	Critical error: missing flight number (flightId)
-31004	Critical error: invalid transport operator identifier (airlineCode)
-31005	Critical error: missing flight with flight number (flightId) and date and time of departure (departDateTime)
-31006	Critical error: missing name (name)
-31007	Error: both Cyrillic and Latin symbols used (name)
-31008	Error: both Cyrillic and Latin symbols used (patronymic)
-31009	Critical error: missing surname (surname)
-31010	Error: both Cyrillic and Latin symbols used (surname)
-31011	Critical error: missing document type (docType)

-31012	Critical error: document type identifier not found in reference
-31013	Critical error: document type identifier is not a number
-31014	Critical error: missing document number (docNumber)
-31015	Critical error: missing place of departure (departPlace)
-31016	Critical error: missing place of arrival (arrivePlace)
-31017	Critical error: missing birth date
-31018	Critical error: invalid birth date format
-31019	Critical error: country identifier not found in reference
-31020	Critical error: missing transport operator identifier (airlineCode)
-31021	Critical error: transport operator identifier not found in reference (airlineCode)
-31022	Critical error: invalid format of airport code
-31023	Critical error: airport identifier not found in reference
-31024	Critical error: gender not found in reference
-31029	Critical error: advance reservation type identifier not found in reference
-31030	Critical error: PDP type identifier not found in reference
-31031	Critical error: PDP type identifier is not a number is not a number
-31032	Critical error: route type identifier (transfer) not found in reference
-31033	Critical error: route type identifier (transfer) is not a number
-31034	Critical error: agent identifier is not a number
-31035	Critical error: agent identifier not found in reference
-31036	Critical error: missing operation type (operationType)
-31037	Critical error: operation type identifier not found in reference
-31038	Critical error: operation type identifier is not a number
-31039	Critical error: missing flight departure date and time (departDateTime)
-31040	Critical error: invalid flight departure date and time format (departDateTime)
-31046	Critical error: missing flight arrival date and time (arriveDateTime)
-31047	Critical error: missing real flight departure date and time (departDateTimeReal)
-31048	Critical error: missing real flight arrival date and time (arriveDateTimeReal)
-31049	Warning: surname consists of a title only. Possible input error
-31050	Warning: name consists of a title only. Possible input error
-31057	Critical error: missing optional field in the header of CSV file
-31059	Critical error: failed to process flight type field value
-31060	Error: failed to process aircraft type field value
-31061	Critical error: date and time missing
-31062	Critical error: invalid date and time format
-31063	Critical error: missing PDP type (typePDP)
-31067	Critical error: missing booking no. / PNR reference (pnrId)
-31068	Critical error: missing crew role code (crewRoleCode)
-31069	Critical error: crew role code not found in reference
-31070	Critical error: overflight flag value not found in reference
-31071	Critical error: missing overflight flag (overFlight)
-31072	Critical error: missing route type (transfer)
-31073	Critical error: missing gender (gender)
-31074	Critical error: missing citizenship (citizenship)

-31075	Critical error: illegal contents in BGM segment
-31076	Error: PDP type mismatches transferred data
-31077	Error: overflight flag value does not match the flight route
	Gateway error codes
-100000	Got a receipt with status "false" without errCode.
-100001	Got a receipt without status and without errCode.
-100002	Filename inconsistent with the template. File not processed.
-100003	Repeated file upload. File with that name already uploaded to the server. File not processed.
-100004	No settings found for uploaded file. File not processed.
-100005	Incorrect date of uploaded file (either file date differs by 2 weeks from the actual date or file is "from the future"). Date in filename should be in UTC format. File not processed.
	In case of a repeat upload of a file already uploaded an FTP protocol error "552 File already exists" may occur.
	In case of an FTP server error during file upload an FTP protocol error "552 Error" may occur.

Appendix 1. Sample UN/EDIFACT PAXLST message

UNA:+.? '
UNB+UNOA:4+AIR1:LX+RUSAPIS+140827:1534+000000001++APIS'
UNH+PAX001+PAXLST:D:02B:UN:IATA+ABC01+01:F'
BGM+250'
NAD+MS+++CREWCOORDINATOR'
COM+0041445644600:TE+NOFAX:FX'
TDT+34+LX160'
LOC+125+ZRH'
DTM+189:1408281300:201'
LOC+87+NRT'
DTM+232:1408290750:201'
NAD+FM+++VON KAENEL:ANTON'
ATT+2+++M'
DTM+329:561009'
LOC+178+ZRH'
LOC+179+NRT'
EMP+1+CR1'
NAT+2+CHE'
DOC+P:110:111+X1437074'
DTM+36:240106'
LOC+91+CHE'
NAD+FM+++SCHWANK:THIERRY'
ATT+2+++M'
DTM+329:850618'
LOC+178+ZRH'
LOC+179+NRT'
EMP+1+CR1'
NAT+2+CHE'
DOC+P:110:111+X3227355'
DTM+36:210517'
LOC+91+CHE'
NAD+FM+++WEIBEL:MATHIAS'
ATT+2+++M'
DTM+329:800704'
LOC+178+ZRH'
LOC+179+NRT'
EMP+1+CR2'
NAT+2+CHE'
DOC+P:110:111+X1964475'
DTM+36:240224'
LOC+91+CHE'
UNT+40+PAX001'
UNZ+1+000000001'

Appendix 2. Sample CSV File

```

surname;name;patronymic;docType;docNumber;birthdate;transfer;typePDP;operationType;r
egisterTimeIS;airlineCode;flightNum;operSuff;departPlace;departDateTime;arrivePlace;arrive
DateTime;gender;citizenship;overFlight;crewRoleCode;pnrId
PETROV;PETR;PETROVICH;0;3606649712;22.10.1975;0;0;50;2013-02-11
12:12Z;SU;1701;;SVO;2013-02-12T14:45+02:00;VVO;20130213 00:00+03:00;M;RU;0;1;
BARONKIN;MAXIM;ILICH;0;5012843712;08.03.1990;0;0;51;20130211T12:12Z;SU;1701;;SVO;2
013-02-12 14:45+02:00;VVO;2013-02-12T21:00Z;M;RU;0;1;
EFIMOVA;ANNA;NIKOLAEVNA;0;5079217112;31.03.1980;0;1;4;2013-02-
11T12:12Z;SU;1701;;SVO;20130212
12:45Z;VVO;20130213T00:00+03:00;F;RU;0;;A1234568901
EROKHIN;SERGEI;ANDREEVICH;0;5606649712;01.04.2002;0;1;4;2013-02-11
12:12Z;SU;1701;;SVO;2013-02-12T14:45+02:00;VVO;20130213
00:00+03:00;M;RU;0;;V2356894568
EROKHIN;ANDREY;SERGEEVICH;0;5123954823;02.10.1975;0;1;4;20130211T12:12Z;SU;1701;;
SVO;2013-02-12 14:45+02:00;VVO;2013-02-12T21:00Z;M;RU;0;;E4567889133

```

Appendix 3. Sample Receipt Files

Sample receipt file without errors detected during data processing.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns6:AckCheckMessage fileName="14109_2016_03_10_11_02_12_000.csv.zip" status="true"
errCode="0" xmlns:ns5="http://www.egis-otb.ru/gtimport/" xmlns:ns6="http://www.egis-
otb.ru/messaging/" xmlns:ns7="http://www.egis-otb.ru/datatypes/"
xmlns:ns8="http://www.egis-otb.ru/data/pdp/" xmlns:ns10="http://www.egis-
otb.ru/data/onsi/stations/" xmlns:ns9="http://www.egis-otb.ru/data/timetable/"
xmlns:ns11="http://www.egis-otb.ru/data/onsi/operators/" xmlns:ns12="http://www.egis-
otb.ru/query/" xmlns:ns2="http://www.egis-otb.ru/data/timetable/delta/"
xmlns:ns3="http://www.egis-otb.ru/requests/" xmlns:ns4="http://www.egis-
otb.ru/data/onsi/rail/countries/">
  <info archiveId="5da843cf-eaab-44e5-8762-f90e90196d58" errCode="0">
    <entry errCode="0" fileName="14109_2016_03_10_11_02_12_000.csv.zip"/>
  </info>
</ns6:AckCheckMessage>
```

Sample receipt file with error detected during data processing.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<ns6:AckCheckMessage fileName="11041_2016_04_03_08_24_53_149.csv.zip" status="true"
errCode="0" xmlns:ns5="http://www.egis-otb.ru/gtimport/" xmlns:ns6="http://www.egis-
otb.ru/messaging/" xmlns:ns7="http://www.egis-otb.ru/datatypes/"
xmlns:ns8="http://www.egis-otb.ru/data/pdp/" xmlns:ns10="http://www.egis-
otb.ru/data/onsi/stations/" xmlns:ns9="http://www.egis-otb.ru/data/timetable/"
xmlns:ns11="http://www.egis-otb.ru/data/onsi/operators/" xmlns:ns12="http://www.egis-
otb.ru/query/" xmlns:ns2="http://www.egis-otb.ru/data/timetable/delta/"
xmlns:ns3="http://www.egis-otb.ru/requests/" xmlns:ns4="http://www.egis-
otb.ru/data/onsi/rail/countries/">
  <info archiveId="8556f7b1-e1f2-423f-9f2e-4db0a25e7b5e" errCode="0">
    <entry errCode="0" fileName="11041_2016_04_03_08_24_53_149.csv.zip">
      <fault line="0" errCode="-31058" description="Критическая ошибка: заголовок CSV
файла содержит неизвестное поле [Critical error: header of CSV file contains unknown
field] - "/>
    </entry>
  </info>
</ns6:AckCheckMessage>
```