Air Transport Settlement System (ATSS)
Airlines from the following countries participate in Air Transport Settlement System*:

- The Russian Federation (41)
- Azerbaijan (1)
- Belarus (1)
- Germany (1)
- Greece (2)
- Georgia (1)
- Egypt (1)
- Israel (1)
- Iran (1)
- Kazakhstan (3)
- Qatar (1)
- Kirgizia (2)
- Latvia (1)
- Morocco (1)
- Moldova (2)
- UAE (4)
- Tajikistan (2)
- Turkmenistan (1)
- Turkey (3)
- Uzbekistan (1)
- Ukraine (2)
- Finland (1)
- France (1)
- South Korea (1)
Air Transport Settlement System (ATSS)

– Combination of governing bodies and participants interacting under concepts, technologies and rules effective in the System.
ATSS was founded in January 1, 1993:

- Upon initiative of the leading airlines and travel agencies of Russia and CIS countries, and regulated by the Russian aviation authorities (in 1992 and later), Russian Association of Air Transport Operators (AATO) and Interstate Aviation Committee (IAC)
- In an extremely short period of time – one year
- By analogy to ASP ARC (USA) and BSP (IATA)
ATSS Purpose and Scope

• Provide Standardized services related to passenger/other transportation and services sold by Accredited Agencies on ATSS Standard Traffic Documents, including ATSS e-tickets (hereafter – ‘STD’) and ensure full and timely settlement of sold transportation with Airlines in accordance with effective standards, rules, procedures, and technologies

• Facilitate technological solutions for sales of transport and other ancillary services, technology standardization, revenue reporting and settlement between our participants

• Ensure control over monetary funds flow from Accredited Agencies to Airlines/Providers/Partners
ATSS Purpose and Scope (continue)

- Reduce airline/provider/partner costs for their own distribution network
- Shorten settlement periods between airline/provider/partner and their counteragents
- Notify airline/provider/partner of revenue availability and spending
- Provide information security, data integrity for payment by bank cards
- Minimize risks of default losses
Settlement Systems Existing in the World Today

ASP (Area Settlement Plan) created in 1964 in the USA under control of ATA (Air Transport Association of America). Since 1984, ARC (Airline Reporting Corporation) has been a provider of settlement services.

BSP (Billing and Settlement Plan) was established by analogy to ASP (USA) in 1971 under control of IATA (International Air Transport Association).

ATSS (Air Transport Settlement System) has been functioning since 1993 under control of CCS (Control Council of Settlement). Since 1994, ATSS services are provided by Transport Clearing House (TCH) (at that time a Closed Joint Stock Company) founded by the leading airlines of Russia and CIS countries.
ATSS Today

- **76** full-service-airlines (> 40% of foreign airlines)
- **676** accredited agencies from **13** countries with ≈ **4 000** sales locations in **20** countries worldwide
- ≈ **30,000** ticketing agents using ≈ **20,000** terminals of authorized domestic and foreign CRSs
- **13** accredited Learning Centers, incl. branches
- **5** accredited Training Centers
- **4** CRSs authorized/accredited with ATSS
- Guaranteed revenue remittance to airlines in full and on time
- **100%** of transportation/ancillaries issued on ATSS e-tickets and ATSS EMD (Electronic Miscellaneous Documents)
- **284** accredited Internet Points Of Sales (IPOSs)
- **Air/global** distribution systems (Sirena-Travel, Amadeus, Sabre, and Galileo)
ATSS Today (continue)

- ATSS agencies sell ancillaries (hotel, VIP-lounge, bus, Aeroexpress, etc.) via ARS Sirena-Travel and ARST on ATSS e-documents

- ATSS agencies book and sell railway services via ARS Sirena-Travel (cooperated with Automated Management System ‘Express-3’ by Russian Railways, OJSC) based on Internet technologies on ATSS e-documents

- Three reporting currencies: RUB, USD, EURO

- My Account on TCH web-site – for ATSS participant and partners

- Payment by bank cards via the Internet using 3D-Secure technology (Secure E-commerce)
ATSS Today (continue)

- Electronic Document Management (EDM)
- Information System of Technological Support for Ticketing Agents (ISTOK) designed on web-platform
- Issue of ATSS E-ticket (ET) and EMD (Electronic Miscellaneous Document) via authorized/accredited ARSs (Automatic Reservation Systems) in accordance with international technologies
ATSS is governed by

Legislative Authorities

• Conference of Settlement System Participants held once every 2-3 years.
• Control Council of Settlement (CCS) consisting of Presidium and two Committees (of full-service airlines and accredited agencies) held between the Conferences.

Executive Authority

• Transport Clearing House (TCH)
ATSS Participants and TCH Partners

Participants

- **Airlines (carriers)** who entered into TCH Model Agreements for sales and settlement related to air services issued on ATSS STDs and e-tickets

- **Accredited Agency** means a legal entity or an individual that passed ATSS accreditation and sells transportation or ancillary services issued on standard transportation documents (STD) and other ATSS documents under agreement on sale of transportation/services concluded with TCH.

- **Transport Clearing House (TCH)**

Partners

- Aeroexpress, LLC
- Providers/ancillary services suppliers
- Tour operators
ATSS Governance Structure
approved by the 7th Conference of Settlement System Participants as of 05.10.2016

CONFERENCE OF SETTLEMENT SYSTEM PARTICIPANTS

AIRLINE CONTROL COUNCIL OF SETTLEMENT (CCS)

CCS PRESIDIOUM

PRESIDIOUM OF CCS CARRIER COMMITTEE

PRESIDIOUM OF CCS AGENCY COMMITTEE

CCS CARRIER COMMITTEE

CCS AGENCY COMMITTEE

TRANSPORT CLEARING HOUSE

* Number of members is circled
TCH Interaction with ATSS Participants and other entities

**TRANSPORT CLEARING HOUSE (TCH)**
- **CCS**
  - **CCS PRESIDUIM**
  - **CCS CARRIER AND AGENCY COMMITTEES**
- **RESOLUTIONS, APPROVED DOCUMENTS**
- **TRANSPORT CLEARING HOUSE (TCH)**
  - **E-TICKETING CENTRE (ETC)**
  - **SCHEDULE AND TARIFFS CENTRE (STC)**
  - **THE RF AIR INDUSTRY STATISTICS**
  - **REPORTING PROCESSING CENTRE (RPC)**
- **REVENUE DATA, RECONCILIATION STATEMENTS, HOT FILES**
- **REVENUE REMITTANCE INSTRUCTIONS**
- **PAYMENT ORDERS**
- **REMITTANCE DATA FILE**
- **AUTHORIZED BANKS**
- **SALES UNDER DIRECT AGREEMENTS**
- **REVENUES, GUARANTEE FEE, SECURITY PAYMENT**
- **REPORTING PROCESSING CENTRE (RPC)**
- **ATSS TRAINING AND PRACTICE CENTERS**

**OTHER ENTITIES**
- **STATE DUMA OF THE RF FEDERAL ASSEMBLY**
  - **MINISTRY OF TRANSPORT OF RUSSIA**
  - **FEDERAL STATE STATISTICS SERVICE (ROSSTAT), MINISTRY FOR ECONOMIC DEVELOPMENT**
  - **FEDERAL AGENCY OF AIR TRANSPORT (ROSAVIATSIYA)**
- **OTHER FEDERAL EXECUTIVE AGENCIES**
- **INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)**
- **INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)**
- **SECURITY PRINTERS**
- **COMPUTERIZED RESERVATION SYSTEMS (ADS/GDS/CDSAS)**
- **AGENCIES**
- **AIRLINES**
  - **AIRPORTS**
- **AND COMPANIES OF OTHER MEANS OF TRANSPORT. PROVIDERS OF ANCILLARY SERVICES**
- **OTHER ENTITIES**
  - **ATC**
  - **FUEL**

**ADDITIONAL NOTES**
- **SALES UNDER DIRECT AGREEMENTS**
- **REVENUES, GUARANTEE FEE, SECURITY PAYMENT**
- **REPORTING PROCESSING CENTRE (RPC)**
- **ATSS TRAINING AND PRACTICE CENTERS**
- **INTERNATIONAL CIVIL AVIATION ORGANIZATION (ICAO)**
- **INTERNATIONAL AIR TRANSPORT ASSOCIATION (IATA)**
- **SECURITY PRINTERS**
- **COMPUTERIZED RESERVATION SYSTEMS (ADS/GDS/CDSAS)**
- **AGENCIES**
- **AIRLINES**
  - **AIRPORTS**
- **AND COMPANIES OF OTHER MEANS OF TRANSPORT. PROVIDERS OF ANCILLARY SERVICES**
- **OTHER ENTITIES**
  - **ATC**
  - **FUEL**
TCH Main Services (ATSS Executive Authority)

Sales Arrangement and Administration:

- Development, updating, and implementation of ATSS fundamental principles, concepts, regulatory and organizational/legal documents and training programs.
- Accreditation of travel agents, POSs and IPOSs.
- ATSS e-ticket quotas. E-Ticket Quota Control. ATTS e-ticket quota management by agency.
- Common legal framework where ATSS participants interact by entering into Model Agreements whose form and provisions are approved by Resolutions of the Control Council Of Settlement (CCS).
- Passenger air services sales arrangement on Standard Traffic Documents (STD) by the accredited Agencies, including their IPOSs, inter alia, against bank cards, e-money, etc.
TCH Main Services (ATSS Executive Authority) (continue)

- Railway and ancillary services issued on ATSS STDs sales arrangement
- Administering of the rights of Agency and POSs for sale of passenger air, railway and ancillary services issued on ATSS STDs
- Revenue collection and settlement with airlines and ancillary services providers
- Continuous control over Agency sales on Standard Traffic Documents (STD) and their settlement with Airlines; audit of Agencies and their POSs
- Drafting of project solutions and standards (norms & regulations) to upgrade and develop production processes in the Settlement System
TCH Main Services (ATSS Executive Authority) (continue)

- Accreditation of Computerized Reservation Systems (CRS) operators and certification of Automated Ticketing Systems within the Settlement System
- Accreditation of Computerized Distribution Systems for Ancillary Services (CDSAS) within the Settlement System
- Accreditation of personnel learning and training centers within the Settlement System
TCH Main Services (ATSS Executive Authority)

Information support:

- The Informational System for quick access of ATSS participants to required information, messaging, exchange files/documents, including electronic signature (EDS)
- Information exchange within the systems: settlement, reservation & sale, schedule & tariffs as well as for their members and users
- Inform ATSS participants on ATSS day-to-day activities and evolution via the mass media and on ATSS website
TCH Main Services (ATSS Executive Authority) (continue)

- Technological improvements related to the introduction of Interactive Communication Systems for ATSS participants
- ‘My Account’ on TCH website designed for:
  - Claims handling for transport and ancillary services in ATSS
  - Sending to TCH electronic applications with e-signature for transport and ancillary services sales
  - Agency remuneration setting
  - Informing on ATSS accredited agency bonuses
  - Automation of interaction between ATSS participants for out-of-the-system refunds
  - Sales statistics and reporting
  - ATSS normative and technological regulations
  - Administrator’s workplace to under M2 Closed-fare agreement
  - Electronic legal document exchange between ATSS participants
  - Instant notifications
  - Opinion exchange in thematic forums
  - Refund Application processing
  - Agency and Airline reports
TCH main business directions for benefit of airlines, airports, CA organizations, and aviation authorities of the RF.

- Computerized creation, approval, updating and publication of aircraft timetable, keeping code directories, registration and publication of scheduled flight fares, ground handling charges & fees in the RF airports
- Computerized collection and processing of airline and airport statistical/financial reporting, analytics on air transport activities in the RF
- Analysis and coordination of the modernization of the domestic CRSs
- Participation in the development of draft regulations on air transport commercial activities in the Russian Federation
Scheme of ATSS Contractual Relations

LEGEND

ADS/GDS – AVIATION (GLOBAL) DISTRIBUTION SYSTEMS
CDSAS – COMPUTERIZED DISTRIBUTION SYSTEM FOR ANCILLARY SERVICES
Requirements for ATSS airline membership

**Airline**
- Applies to join the Settlement System
- Enters into Model Agreement with TCH on sales and settlement related to air services issued on ATSS STDs and e-tickets
- Ensures access to its inventory in CRS via ADS/GDS certified with ATSS
- Pays for TCH services in compliance with price-list approved by CCS

**Note**
- Airline must be registered as a carrier in compliance with the laws of the country of registration and hold a valid Operator Certificate and license for scheduled flights
- New entrant pays the contribution for the Settlement System development
- TCH Schedule and Tariffs Centre (STC) assigns a code to airline (for airlines not having IATA code)
- Accounting Code and Internal Two-Character code (for airlines not having IATA code) will be assigned
- Uploads its schedules and fares in STC (for Russian airlines)
- Publishes its flight schedule in the Central Bank of Schedule and Slots
- Registers and publishes fares in TAR-LINE
Airline application for ATSS membership

TCH mail address:
59, build. 1 Bolshaya Grouzinskaya str., Moscow, 123056, Russia

To: President of Transport Clearing House, JSC

Airline name: _____________________________
Address, phone, fax, email: __________________
Flights operated : __________________________
Types of aircrafts: __________________________
Airline codes (ICAO/IATA designators, Accounting Code, STC Code, internal two-character code): __________
Reservation system for airline’s inventory : __________

Hereby the Airline agrees with the Rules effective in the Settlement System with intention to sign with TCH Agreement on Sales and Settlement Related to Air Services Issued on ATSS STDs and E-Tickets.

For the Airline

__________________________________________
Title

__________________________________________
Signature  Full Name
Stamp Here
Requirements for ATSS agency accreditation

- Absence of outstanding financial obligations before ATSS participant
- Financial security for the fulfillment of its obligations under agreement with TCH

To pass the accreditation Agency:

- Files the set of documents required according to ATSS Agency Accreditation Rules
- Pays the application fee in accordance with the TCH Services Price List
- Delegates its experts to TCH for participation in appraisal procedure of submitted documents and amends them in accordance with recommendations
- Delegates its experts to Agency Accreditation Panel meeting upon formal invitation
Requirements for ATSS agency accreditation

In case of accreditation approval by the Agency Accreditation Panel, the Agency needs to:

• Sign with TCH agreement on transportation /ancillary services sale
• Obtain access to TCH Information Systems (e-digital signatures , TCH Connect, Interactive Reporting System, Mail System of TCH, TCH-INFORM)
• Obtain access to ‘My Account’ (TCH Connect)
• Ensure the required financial security
• Provide the stipulated financial guarantees
• File the set of application documents for accreditation of their POSs and IPOSs and pay the accreditation fee
• Enter into contract for connection to CRS (ADS) with CRS (ADS) operator
• File (as per the established procedure) applications (requests) for operatorsterminals descriptions, STD
• Notify TCH on sales starting date
• Obtain Agency Accreditation Certificate, TCH validators, access to ATSS authorized CRS/GDS/CDSAS
• Apply for ATSS e-ticket quotas in TCH Connect, obtain quotas and distribute them amount POSs (if necessary)
• Sell air transport services on ATSS STD in accordance with the accreditation rules and Model Agreement
## Validator of accredited POS

(Roman font)

<table>
<thead>
<tr>
<th>FIVE-CHARACTER AGENCY CODE</th>
<th>POS CODE</th>
<th>COUNTRY CODE of POS LOCATION</th>
<th>ID NUMBER OF TICKETING AGENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>19MOV TCH</td>
<td>92307305 0001</td>
<td>MOSCOW RU</td>
<td>SUPER-AVIA</td>
</tr>
<tr>
<td>AGENCY NAME</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MOSCOW RU</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POS LOCATION CITY</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
E-ticketing Technological Flow Chart and Passenger Transportation Tracking in ATSS

Airport

- Departure control systems (DCSs)
- Check-in desks

TCH E-Ticketing Centre

- Airline ET Servers (ETSs)
- ET Database

ADS/GDS*

ET Issuance

Check-in

*ADS/GDS – AVIATION/GLOBAL DISTRIBUTION SYSTEM
ATSS Electronic Ticket (ET)

**TICKET NUMBER:** 000 6100015948

**COMPUTER GENERATED NUMBER**

**Travel data**

**Legal Notices**
ATSS Electronic Miscellaneous Document (EMD)

**EMD NUMBER:** 000 6164174913

**COMPUTER GENERATED NUMBER**

**Travel data**

**Legal Notices**
# IATA code of 61 Form for ATSS STDs

<table>
<thead>
<tr>
<th>Form Code</th>
<th>Type of Form</th>
<th>Stock Provider</th>
<th>Resolution/Recommended Practices</th>
<th>Coupons quantity</th>
<th>Check Digit Calculation Method</th>
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</thead>
<tbody>
<tr>
<td>610</td>
<td>E-ticket</td>
<td>Agency (ATSS)</td>
<td>722g</td>
<td>-</td>
<td>C</td>
</tr>
<tr>
<td>611</td>
<td>E-ticket</td>
<td>Agency (ATSS)</td>
<td>722g</td>
<td>-</td>
<td>C</td>
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<td>-</td>
<td>C</td>
</tr>
<tr>
<td>615</td>
<td>Electronic Miscellaneous Document</td>
<td>Agency (ATSS)</td>
<td>725g</td>
<td>-</td>
<td>C</td>
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<tr>
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<td>Electronic Miscellaneous Document</td>
<td>Agency (ATSS)</td>
<td>725g</td>
<td>-</td>
<td>C</td>
</tr>
</tbody>
</table>

**Check Digit Calculation Method:**

“3” refers to E-tickets, automated tickets/boarding passes, electronic miscellaneous documents, and other miscellaneous documents issued on ATB stock (coupons quantity – “C” means coupon-by-coupon issuance) and includes coupon number, airline code and 10-character Form code and serial number.

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ATSS – Air Transport Settlement System operated by Transport Clearing House in Russia.
How TCH Settles with Airline in ATSS

TRANSPORTATION

ACCOUNTING CODE OF RESPONSIBLE CARRIER

INTERLINE

ACCOUNTING WITH RESPONSIBLE CARRIER
NOTIFICATION OF RESPONSIBLE CARRIER

ACCOUNTING CODE OF M1 AGREEMENT

M1

SETTLEMENT WITH EACH CARRIER
NOTIFICATION OF EACH CARRIER
(MULTILATERAL AGREEMENT WITH OPEN FARES)

ACCOUNTING CODE OF M2 AGREEMENT

M2

SETTLEMENT WITH EACH CARRIER
NOTIFICATION OF EACH CARRIER
(MULTILATERAL AGREEMENT WITH CLOSED FARES)
Electronic Ticket for Railway Transportation

Audit coupon

Boarding Coupon
Various ATSS Settlement Agreements for Sold Transportation

**Interline**

When transportation is operated by several airlines under interline agreement, accounting code of ATSS participating airline (responsible carrier) should be shown at the time of transportation issuance. The rule to choose responsible carrier for transportation issuance is determined in the airline interline agreement, or alternatively (where the interline agreement lacks such rule), accounting code of the first ATSS-member airline in the travel itinerary should be shown. Sold transportation is settled with the responsible carrier.
Various ATSS Settlement Agreements for Sold Transportation

**M1 agreement**
Transportation operated by several ATSS-member airlines under M1 Multilateral Agreement (multilateral interline - "Open fare") is issued only at fares applied for relative travel segments. TCH settles sold transportation with each airline participating in the transportation

**M2 agreement**
Transportation operated by several ATSS-member airlines under M2 Multilateral Agreement (multilateral interline - "Closed fare") is issued only at through fare applied for several segments. TCH settles sold transportation with each airline participating in transportation on the basis of carrier’s share in fare
Interlining Carriers. TCH settles with responsible carrier under its accounting code.

BLAGOVESCHENSK → MOSCOW (DME) → TYUMEN

"AA" Airline Accounting Code

票号：1234567890

出发地：BLAGOVESCHENSK
目的地：TYUMEN

途经地：MOSCOW (DME)

承运人：AA

"AA" 航空公司会计代码
Several Carriers Participating in M1 Agreement (Accounting Code 99A). TCH Settles with Each Carrier.

BLAGOVESCHENSK
Fare AA
MOSCOW (DME)
Carriage
TYUMEN
Fare BB

AA

BB
# Issuance of ATSS E-ticket under M2 ET Pattern

**TICKET NUMBER:** 111 6135122993

**BOOKING REF:** 123456/1H

**TOUR CODE:** 03C

**THROUGH FARE FOR ROUTE MRVSUR WITH TICKETS 1116135122993/222613122994**

- **CVRMPVB9000RUB**
- **СУРССУВ1000ҮБ**

**FARE:** 9000RUB

**Carriage by CC Airline**

- Ticket number with CC carrier accounting code
- Single PNR number
- Agreement code/code of automated transfer (connection)
- Code of special through fare to build transfer services via airport-hub
- Notification
- Reflection of single through fare
- Value of single through fare applied for transfer route
Issuance of ATSS E-ticket under M2 ET Pattern

**Ticket number with CC carrier accounting code**

**Single PNR number**

**Agreement code/code of automated transfer (connection)**

**Code of special through fare to build transfer services via airport-hub**

**Notification**

**Reflection of single through fare**

**Null value of second ticket (value of single through fare is reflected on the first ticket)**

**Carriage by BB Airline**
ATSS Development

• Extended payment options for transportation on the Internet, self-service kiosks (cash machines) and other e-sales facilities, e-money inclusive

• Continuous development of My Account on TCH website interactive communication of ATSS participants; organization of electronic exchange of legal documents in My Account on TCH website

• Secure sales facilitation

• Upgrading of e-ticketing regulatory and technological platform enabling passenger air transportation sales via GDSs

• Development of ancillary services sales within ATSS (hotel, airport and transfer services, et al), expanded service portfolio and engagement of new providers

• ATSS development in the field of interaction with carriers, accredited agencies and other entities; elaboration, updating, standardization and implementation of new regulatory and technological documents, training courses and ATSS standards
Thank you for your attention!

Welcome to join ATSS!