

WE ARE
CZECH AIRLINES
TECHNICS



Heritage we are proud to carry on



- Czechoslovak State Airlines was formed 29 October 1923 as a national carrier.
- In 1930 the company opened first international flight from Prague to Zagreb.
- In 1957 CSA became the third of the world's airlines to fly jet services, taking delivery/putting in service the first Tupolev TU 104A in 1957
- Since 1990 major fleet change & continuous capability development
- On 18 October 2000 CSA became a full member of the SkyTeam alliance.
- Throughout the existence of CSA was the aircraft maintenance one of the main activities of the Technical Section of CSA.
- In 2010 the maintenance detached as CSA subsidiary company: CSA Technics (CSAT).
- In the 2012 year CSAT became a member of the Czech Aeroholding.

Company with a long history



Hangar Maintenance - CSA, 1932

- Certificate for maintenance, repairs, modifications and design changes No. **L-1-011** from May 13, 1992;
- Approved Maintenance Organizations from June 30, 1998 JAR-145 Approval No. **CAA CZ 001**;
- Foreign Repair Station certificate FAA No. **CLEY877C** from December 12, 2003
- Transition from JAR-145 regulation to EASA Part-145 Approval No. **CZ.145.0001** from June 29, 2004
- Approval Certificate of the Design Organisation Part-21, Support J, Approval No. **EASA.21J.308** from June 2008

EASA Part – 145

Issued 1/8/2010 No. CZ.145.0067

EASA Part – 21J

Issued 1/8/2010 No. EASA.21J.308

FAA

Issued 12/12/2003 No. CLEY877C

TCCA Approval Certificate

Issued 23/6/2011 No. 811-08

BERMUDA DCA

Issued 22/7/2011 No. BDA/AMO/159

Russia CAA Approval

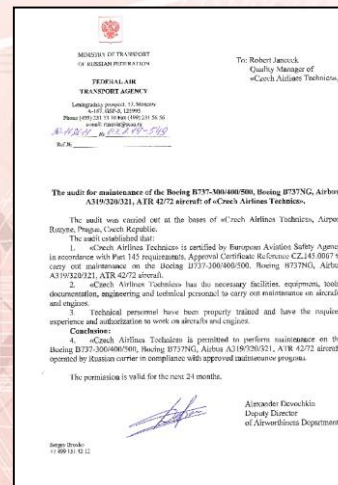
Issued 1/12/2011

Indonesia DGCA

Issued 10/3/2012 No. 145/85600

CSN EN ISO 14001:2005

Issued 5/11/2014 No. CZ003854-1

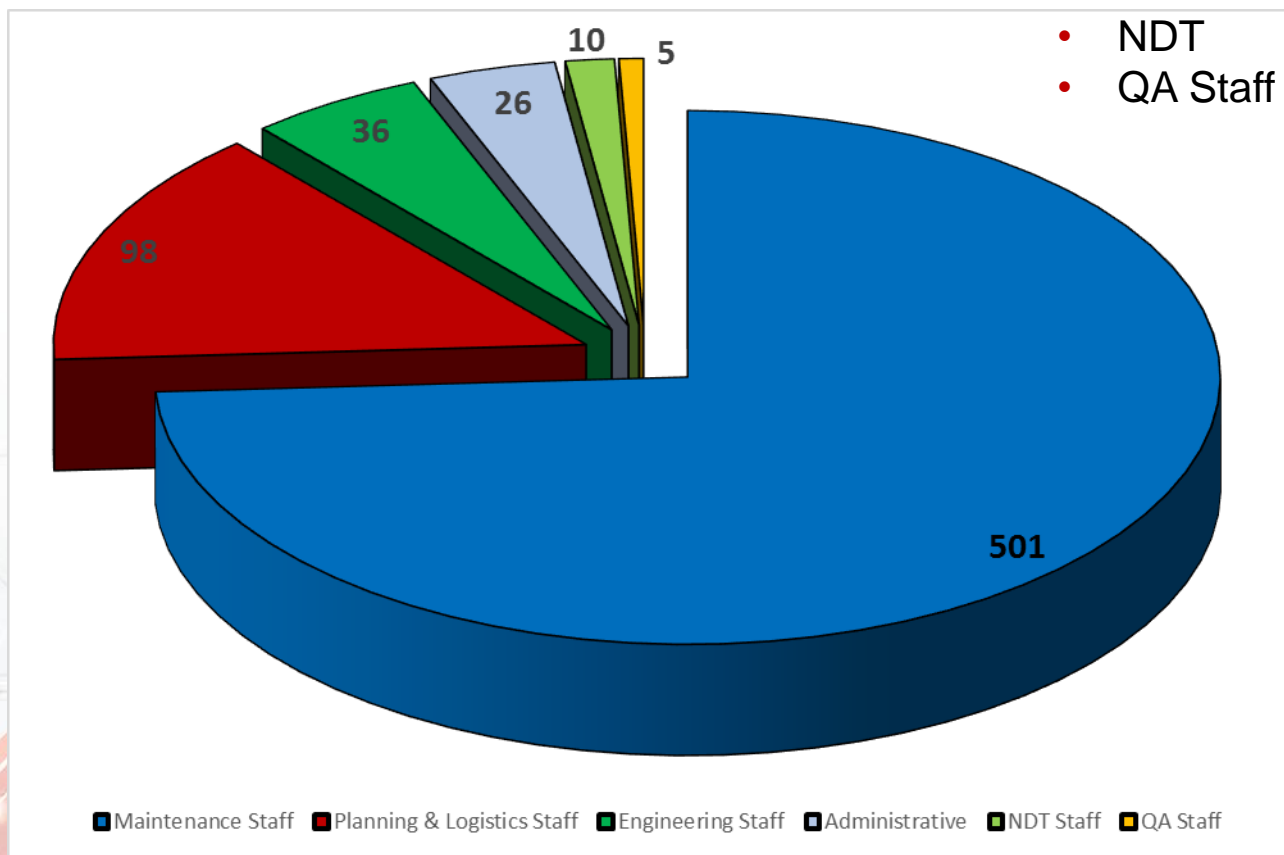


Organizational Chart



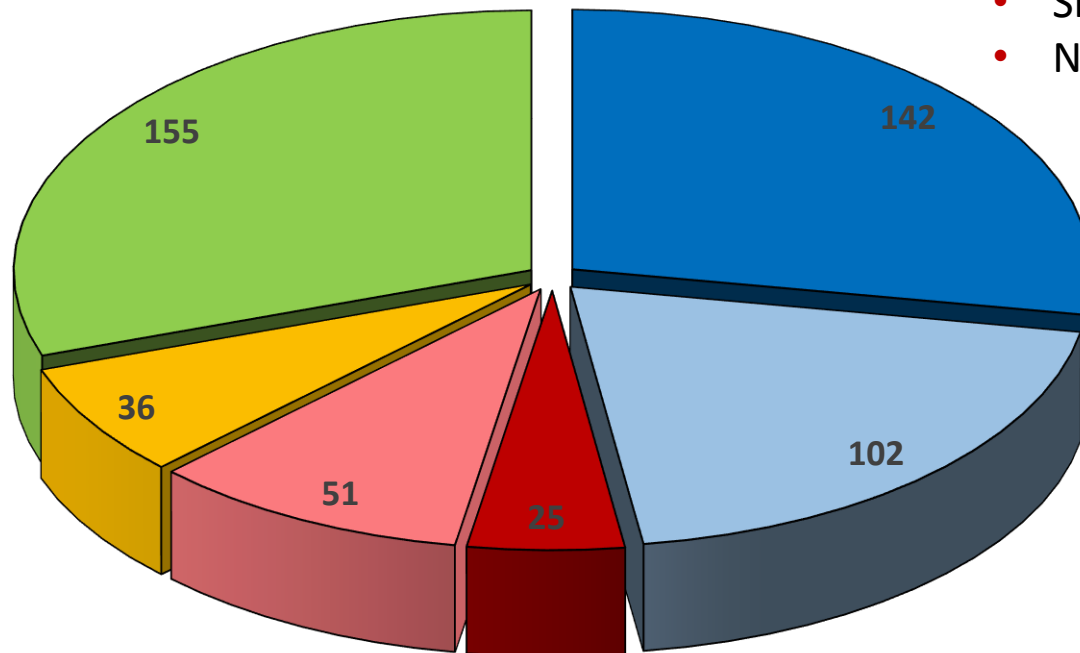
CSAT Staff

- Maintenance 501
- Planning & Logistics 98
- Engineering 36
- Administrative 26
- NDT 10
- QA Staff 5



CSAT Maintenance Staff

- B1 Supporting 142
- B1 Certifying 102
- B2 Supporting 25
- B2 Certifying 51
- Shop CFS + NDT 36
- Non AML Part 66 155



■ B1 Supporting Staff
 ■ B1 Certifying Staff
 ■ B2 Supporting Staff
■ B2 Certifying Staff
 ■ Shop CFS + NDT Staff
 ■ Non AML Part 66 Staff

We have maintenance capability for following aircraft:

B737-300/400/500 Up to D-check (engines CFM56)

B737-600/700/800/900 Up to D-check (engines CFM56)

A318/A319/A320/A321 Up to 12Y check (engines CFM56, V2500)

ATR42/72 C-checks and K-checks of all levels

Our main advantage is a team of well experienced mechanics. As the CSA Technics (before Technical department of Czech Airlines) they have done enormous number of maintenance for aircrafts B737 CL/NG, A320Family a ATR 42/72.

Other part of our facility, opportunities, and possibilities are NDT department, composite workshop, upholstery and sheet metal workshop, and workshops of seats and wheels and brakes.

Nowadays we are experienced with complete maintenance of all types of aircrafts above and we are also capable to provide all service bulletins, extensive or structural repairs, and modifications of avionics.

Our Base Maintenance also offers:

Engine changes

Landing Gear changes

Landing Gear bearing repairs

Modifications of avionics

Borescope Inspections

Redelivery services



Hangar size 210 x 56 x 16,5 m; total area 22.200 m2



Structure Repairs and Modifications

- Full structure repair capability, skin replacements
- Installation of winglets, split scimitar winglets and sharklets
- Lighting struck temporary and permanent repairs
- Dent and buckle charts evaluation and rework
- OEM approval for all deviations
- Dedicated Structure Engineering team
- Detailed repair reports



Non Destructive Testing Shop

- NDT Ultrasonic Inspections
- NDT Eddy current inspection
- NDT Magnetic particle inspection
- NDT Penetrant inspection
- NDT X-ray inspection
- NDT Composite inspections
- NDT Thermographic Inspections
- Laser inspections (scribe lines)



Landing Gear Repair & Overhaul



Capability

B737CG / NG Landing Gear sets

B737CG / NG, A320, Embraer 135/145 LDG Single components

Overhaul of LDG sets and spare components includes

- Cleaning (paint stripping)
- Blasting (non-abrasive and abrasive blasting)
- Machining (turning, milling, boring, flat / rotary grinding)
- Shot peening
- Heat treatment (stress relief, post-plate baking)
- NDT (magnetic particle, fluorescent dye penetrant, eddy current, nital, barkhausen test)
- Electroplating (cadmium, nickel, chrome, anodizing)
- Painting

Engineering Support

- OEM, technological and manufacturing documentation
- AD/SB/SL implementation
- Non-standard repairs
- Tool design

Certification

- EASA Part 145
- FAA FAR 145
- Bermuda DCA
- Indonesia DGCA

Capability

A320, B737, ATR, CASA components

Wheels /Brakes

- MLG
- NLG

Avionics

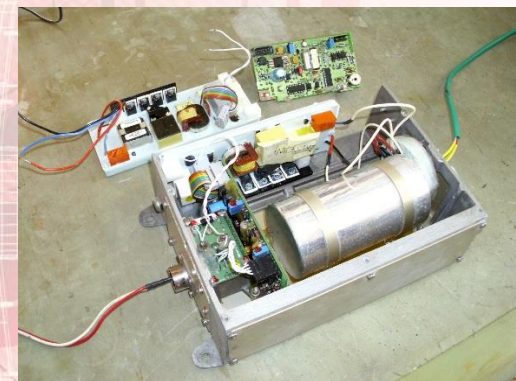
- Electronic control units
- Display units
- Communication
- Navigation
- Control panels
- VOR
- ATC
- Transmitters
- Indicators of physical quantities
- Barometrical units
- Electrical altimeters
- Speedometers
- Clocks

Emergency equipment

- Evacuation slides
- Life jackets
- First-aid kits
- Fire extinguishers
- Oxygen/evacuation slides bottles
- Oxygen masks
- Oxygen generators

Electrical

- Wiring/harnesses
- Generators
- Accumulators
- Lights
- Fans
- Boilers
- Ovens



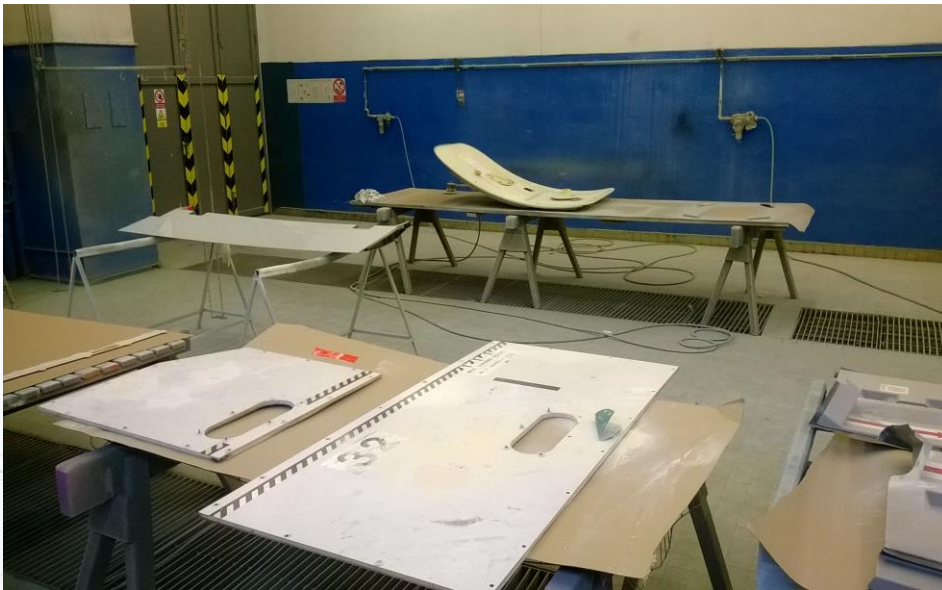
Hot and cold bonding repairs,
pre-pregs and wet layups,
shop and on-wing repairs

- Flaps
- Flight Control Surfaces
- Leading edge de-icers
- Radoms
- Landing Gear Doors
- Covers and Fairings
- Reversers
- Modifications



- Seats Shop
- Paint Shop for components
- Upholstery Workshop
- Joiner Workshop

Other Frontshops



Our Maintenance Control Centre (MCC) is available 24/7/365 from anywhere in the world. ACARS connectivity is able to give you hints before even landing.

We offer a wide range of line maintenance services including AOG support, on-call assistance, etc.

Our line maintenance approvals cover a variety of aircraft

B737CG/NG	Transit Check, DY, WE, A-check, defect rectification
B757/767	Transit Check, DY, WE, A-check, defect rectification
A320FAM	Transit Check, DY, WE, A-check, defect rectification
A330	Transit Check, DY, WE, A-check, defect rectification
ERJ170/190	Transit Check, DY, WE, A-check, defect rectification
ATR42/72	Transit Check, DY, WE, A-check, defect rectification



Part 21 - Approved Design Organization

CSAT is approved design organization as per EASA regulations with license number EASA.21J.308. Experienced Engineering staff manage design projects.

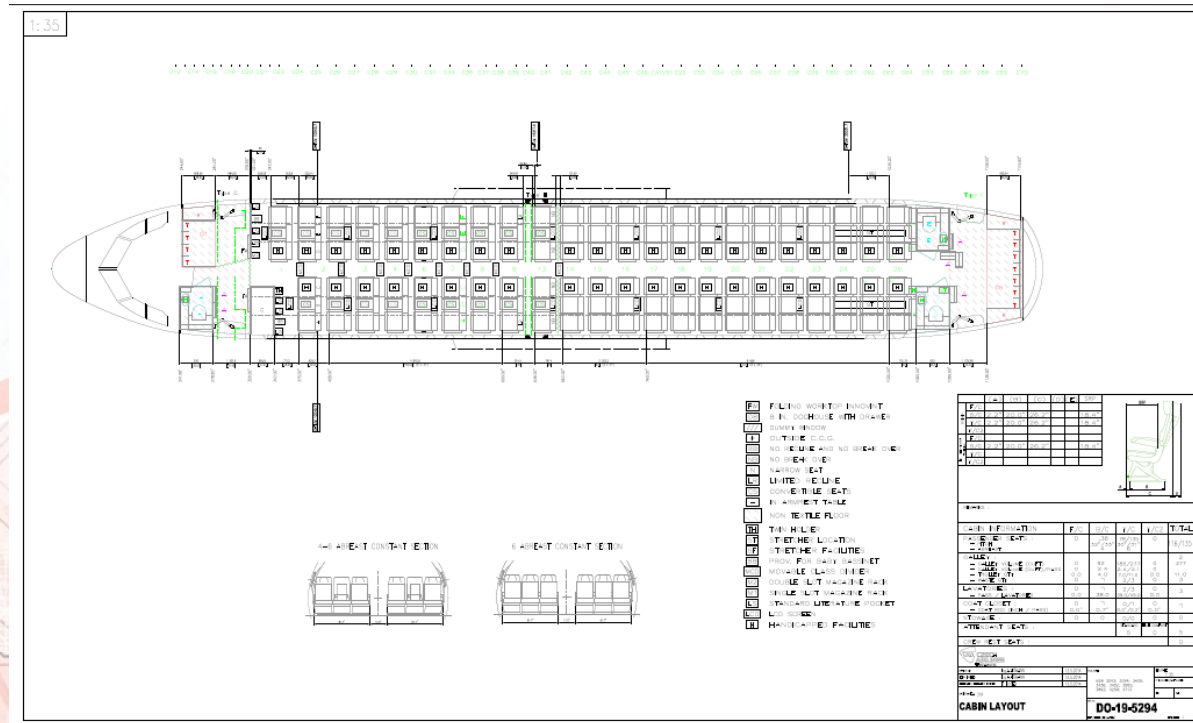
Scope of approval includes:

- Galleys and other interior equipment
- Installations of avionics equipment
- Electrical systems
- Cabin interiors

We provide efficient solutions. Minor changes like cabin LOPA layout changes, recertification of used fabrics, emergency equipment relocations are timely processed and bring significant savings to our customers.

DOA projects are available for:

- A319/A320/A321
- A330
- B737-CL / NG
- ATR 42 / ATR 72



- Aircraft Maintenance Program administration
- Customized Minimum Equipment List manual creation
- Weight and balance and DCS data management
- Maintenance forecasts and check workpacks
- Customized Task cards development
- AD/SB/EO Administration
- Publications / Library
- Rotable and LLP limits followup
- Scanning and archive of records

- A319/A320/A321
- A330
- B737CG / NG
- ATR 42 / ATR 72



Warehouse Management

- Incoming inspection
- Material storage (separated customers area)
- Tool storage
- Material distribution for Base Maintenance
- Tool calibrations
- Material shipping
i.a.w. ATA-300 and IATA DGR





...and many others

Czech Airlines Technics (CSAT)

Legal and postal address:
Jana Kaspara 1069/1
160 08 Prague 6

Place of business:
Václav Havel Airport Prague
Hangar F

Czech Republic

www.csatechnics.com

Thank you for your attention!