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LDZA - Airport ZAGREB/Franjo Tuđman - Snow plan for the winter season 2019/2020

1. ORGANISATION

De-icing and Snow Removal (DSR) Department is organized within ZAGREB/Franjo Tuđman Airport - Zagreb Airport Operator Ltd., in Maintenance Division, and deals with the following activities:

- Monitoring and control of ice and snow
- Measurement of the friction coefficient
- Reporting
- Cleaning and de-icing
- Treatment of paved surfaces with chemical substances

Winter season activities are organized from 01st November 2019 and will be provided until 31st March 2020.

2. MONITORING AND CONTROL OF ICE AND SNOW

Manoeuvring areas surfaces are checked by Main person on duty or Person on duty of De-icing and Snow Removal Department at least once in 24 hours. Number of checks is adjusted in accordance with the changes on the manoeuvring area surfaces depending on weather and on request by the Zagreb TWR.

Apart from personal inspections, the condition of runway is also monitored by the operations office of De-icing and Snow Removal Department by system of early ice detection - "Boschung Mecatronic Ice Early Warning System" - which consists of three sensors built into the runway pavement, one sensor built into the pavement of taxiway F, one sensor on TWY MC and one sensor on APRON EAST, together with pertaining external measurement stations.

Weather forecast is obtained from the Croatia Control Ltd.

Control and cleaning of parking stands on aprons will be performed in close coordination of Person on duty of De-icing and Snow Removal Department, traffic centre dispatcher, marshaller and handling agent.

3. MEASUREMENT OF THE FRICTION COEFFICIENT

Measurement of the friction coefficient is carried out with the SFH - Surface Friction Tester device (high pressure tire). During non-stop precipitation, the condition of manoeuvring surfaces shall be monitored by the Main person on duty or Person on duty, who will be in constant contact with Zagreb TWR. Zagreb TWR will transfer him pilot's opinion on surface condition, and if friction coefficient seriously decreases, the Person on duty will immediately undertake necessary steps and measures for further cleaning or de-icing, with purpose to improve the friction coefficient.

4. REPORTING

Reports on condition of movement area surfaces is submitted by Main person on duty or Person on duty, exclusively in SNOWTAM format. ZAGREB/Franjo Tuđman Airport has completely adopted definitions and data in reports in accordance with the ICAO Doc 9137 Part 2 'Pavement Surface Conditions'. SNOWTAM will be issued in accordance with PANS-AIM (ICAO Doc 10066), local rules are not applied. Reports of SNOWTAM are to be delivered to ATS reporting office (ARO), coordinator of airport activities on duty (ADM), and 1 copy remains in the archives. Apart from SNOWTAM, condition of surfaces is published through ATIS.

5. CLEANING AND DE-ICING

Snow removal and de-icing will be performed according to the following priorities:

1. Runway
2. Taxiways
3. Apron parking stands
4. Apron service road
5. Landside (terminal building roads, car parks etc.)

At the beginning of winter season the equipment and vehicles of DSR Department will be parked on the airside ready to be used for cleaning of manoeuvring areas as soon as needed.

5.1 Runway and taxiways

De-icing and Snow Removal Department has its own special winter equipment consisting of: snow-sweeper, snow-blower and de-icer of manoeuvring areas. For cleaning of runway, the snow team needs two runs along the runway, in each run one half of runway is being cleaned. TWY MC is cleaned in three runs, since it is wider than the RWY. On manoeuvring areas exclusively airport equipment is used.

5.2 Aprons

APRON EAST is cleaned with trucks with ploughs, smaller special vehicles and loaders. Since a lot of equipment and aircraft handling vehicles are parked around the air bridges, the operators of vehicles and equipment are obliged to remove it, to allow cleaning the surfaces underneath from snow and ice. Snow disposal is foreseen on dedicated area for snow disposal. Cleaning and transport/disposal of snow is performed by outsourced company, and in cases of intensive snowfall, if necessary, certain number of additional vehicles and equipment will be hired by engaged outsourced company. APRON WEST is cleaned with big trucks with ploughs and loaders that require a wider area for safe manoeuvring. Therefore, the most intensive cleaning of snow on apron will be applied in periods outside the traffic peak hours. Cleaning and transport/disposal of snow is performed by outsourced company, and in cases of intensive snowfall, if necessary, a certain number of additional vehicles and equipment will be hired from the engaged outsourced company. Snow disposal is foreseen on dedicated area for snow disposal.

General Aviation Apron is cleaned in the same way as APRON WEST.

All departments must observe the Rulebook on inspection and maintenance of operations and traffic surfaces in winter season, and clean paths for staff in front of their buildings with assigned shovels and brooms.

Cleaning priorities for all parking positions on all platforms are agreed with the Operations Centre.

5.3 Passenger Building front and paths

De-icing and Snow Removal Department of ZAGREB/Franjo Tuđman Airport - Zagreb Airport Operator Ltd. and Maintenance Division are responsible for cleaning of front of passenger building and paths. In case of heavy precipitations additional staff will be engaged.

5.4 Landside

Airport access roads are part of public roads system and their main cleaning is provided by municipal winter service. Access to the airport is one of the main priorities and will be cleaned as soon as possible, depending on the weather conditions. Roads and car parks on the area of ZAGREB/Franjo Tuđman Airport are cleaned and de-iced by De-icing and Snow Removal Department.

6. ASSISTANCE WITH AIRCRAFT TAXIING

In case the snow covers signs/markings on apron, 'Follow Me' vehicle will be provided to guide the aircraft.

7. PAVEMENT SURFACES TREATMENT WITH CHEMICAL SUBSTANCES

Chemical substances for anti-icing will be used when ice and snow cannot be removed mechanically. The chemical substances for anti-icing/de-icing of movement area surfaces which are used are from the company Nordway KF.

8. CLOSING OF MANOEUVRING AREAS

When necessary, the manoeuvring areas may be temporarily closed for traffic for a certain time, necessary for checking and evaluation of braking conditions, cleaning and de-icing. In case of constant heavy precipitations, snow team must be provided with periods of approximately 20-30 minutes for cleaning, anti-icing and checking of runway. Such decisions will be closely coordinated between the Main person on duty, Coordinator of airport activities, Zagreb TWR and aircraft operator.

9. WINTER TIRES

Use of winter tires is obligatory for all vehicles.

This AIP SUP cancels and replaces AIP SUP 015/2019.

Record entry of AIP SUP 003/2020 in GEN 0.3.

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