

AIS-JAPAN > Information

Information

The information concerning Snow and Ice condition distributed by NOTAM will apply the following marks in JAPAN.

Last update 2010.10.26

| RWY condition with snow fall | Mean depth of snow | | Class of snow (*1) | | Braking action obtained by measuring equipment (*2) (Coefficient) | | | Percentage of snow/ice coverage | |
|---------------------------------------|--------------------|-------|--------------------|----------|---|-----------------|-----------------|------------------------------------|---------------|
| | A1 | Clear | B1 | Dry snow | C1 | Good | (≥ 0.40) | D1 | Less than 20% |
| A2 | Less than 80mm | B2 | Wet snow | C2 | Medium to good | (≥ 0.36) | D2 | Less than 40% | |
| A3 | Less than 100mm | B3 | Slush | C3 | Medium | (≥ 0.30) | D3 | Less than 60% | |
| A4 | Less than 150mm | B4 | Compacted snow | C4 | Medium to poor | (≥ 0.26) | D4 | Less than 80% | |
| A5 | Less than 200mm | B5 | Ice | C5 | Poor | (≥ 0.20) | D5 | 80% or more | |
| A6 | 200mm or more | - | - | C6 | Very poor | (< 0.20) | D6 | 100% | |

A area:
The first
one third
of small
numbered
RWY

| B area: The middle one third of RWY | Mean depth of snow | | Class of snow (*1) | | Braking action obtained by measuring equipment (*2) (Coefficient) | | | Percentage of snow/ice coverage | |
|--|--------------------|-------|--------------------|----------|---|-----------------|-----------------|------------------------------------|---------------|
| | E1 | Clear | F1 | Dry snow | G1 | Good | (≥ 0.40) | H1 | Less than 20% |
| E2 | Less than 80mm | F2 | Wet snow | G2 | Medium to good | (≥ 0.36) | H2 | Less than 40% | |
| E3 | Less than 100mm | F3 | Slush | G3 | Medium | (≥ 0.30) | H3 | Less than 60% | |
| E4 | Less than 150mm | F4 | Compacted snow | G4 | Medium to poor | (≥ 0.26) | H4 | Less than 80% | |
| E5 | Less than 200mm | F5 | Ice | G5 | Poor | (≥ 0.20) | H5 | 80% or more | |
| E6 | 200mm or more | - | - | G6 | Very poor | (< 0.20) | H6 | 100% | |

C area:
The first
one third
of large
numbered
RWY

| C area: The first one third of large numbered RWY | Mean depth of snow | | Class of snow (*1) | | Braking action obtained by measuring equipment (*2) (Coefficient) | | | Percentage of snow/ice coverage | |
|---|--------------------|-------|--------------------|----------|---|-----------------|-----------------|------------------------------------|---------------|
| | I1 | Clear | J1 | Dry snow | K1 | Good | (≥ 0.40) | L1 | Less than 20% |
| I2 | Less than 80mm | J2 | Wet snow | K2 | Medium to good | (≥ 0.36) | L2 | Less than 40% | |
| I3 | Less than 100mm | J3 | Slush | K3 | Medium | (≥ 0.30) | L3 | Less than 60% | |
| I4 | Less than 150mm | J4 | Compacted snow | K4 | Medium to poor | (≥ 0.26) | L4 | Less than 80% | |
| I5 | Less than 200mm | J5 | Ice | K5 | Poor | (≥ 0.20) | L5 | 80% or more | |

| | | | | | | | | |
|----|---------------|---|---|----|-----------|----------|----|------|
| I6 | 200mm or more | - | - | K6 | Very poor | (< 0.20) | L6 | 100% |
|----|---------------|---|---|----|-----------|----------|----|------|

Condition of RWY surface

| Area | | | Condition |
|------|----|----|--|
| A | B | C | |
| M1 | N1 | O1 | Snow drifted |
| M2 | N2 | O2 | Surface even |
| M3 | N3 | O3 | Surface rough |
| M4 | N4 | O4 | Partially covered with frozen snow |
| M5 | N5 | O5 | Frozen surface partially covered with snow |
| M6 | N6 | O6 | Frozen surface covered with water |

Condition of snow bank along RWY

| Height | | Clearance | |
|--------|----------------|-----------|---------------------|
| P1 | No snow bank | Q1 | Apart 85m or more |
| P2 | Less than 0.5m | Q2 | Apart 70m or more |
| P3 | Less than 1.0m | Q3 | Apart 55m or more |
| P4 | Less than 2.0m | Q4 | Apart 40m or more |
| P5 | Less than 4.0m | Q5 | Apart 30m or more |
| P6 | 4.0m or more | Q6 | Apart less than 30m |

Braking action obtained by measuring equipment

| Apron (Coefficient) | | |
|---------------------|----------------|----------|
| R1 | Good | (>=0.40) |
| R2 | Medium to good | (>=0.36) |
| R3 | Medium | (>=0.30) |
| R4 | Medium to poor | (>=0.26) |
| R5 | Poor | (>=0.20) |
| R6 | Very poor | (< 0.20) |

Progress of snow removal

| Progress of snow removal | | |
|---|----------|----------------------|
| TWY | Overrun | |
| S1 | T1 | Finished |
| S2 | T2 | Partially unfinished |
| Apron | Shoulder | |
| S3 | T3 | Finished |
| S4 | T4 | Partially unfinished |
| Percentage of snow coverage on RWY/TWY lights | | |
| RWY | TWY | |
| U1 | V1 | 0% (All clear) |
| U2 | V2 | Less than 50% |
| U3 | V3 | 50% or more |
| U4 | V4 | 100% (All covered) |

General forecast (3 hours later)

| | |
|----|--|
| W1 | Generally improved condition expected |
| W2 | Change not expected |
| W3 | Melting expected due to rising temperature |
| W4 | Freezing expected due to falling temperature |
| W5 | Condition slightly deteriorating, but operation will not be affected |
| W6 | Generally deteriorating condition expected |
| W7 | Unable to forecast |

| | | |
|---------|----|--|
| Remarks | 1) | Depth of snow (for less than 80mm mean snow depth on RWY) |
| | 2) | TWY braking action (*3) |
| | 3) | Measured coefficient for each third of RWY will be given by two digits. In case of the braking action is GOOD, the figures '95' will be used. Type of equipment (*4) e.g. SURFACE FRICTION TESTER TAPLEY DECELEROMETER BOWMONK AFM2 DECELEROMETER |

| | | |
|--------------------------------------|----------------|--|
| Note: (*1) Class of snow | Dry snow | Normal snow which is dry or not so watery |
| | Wet snow | Snow which is rather watery and oozes out water if compacted by gloved hand |
| | Slush | Water saturated snow which with a heel and toe slap down motion against the ground will be displaced with a splash |
| | Compacted snow | Snow which has been compressed and hardened by snow removal equipment or such others |

(*2) Braking action will not be obtained by measuring equipment for slush.

(*3) TWY braking action will be given for each TWY applying the RWY braking action grading(1-6).

(*4) Braking Action will not be obtained by Surface Friction Tester for more than 70mm mean snow depth.

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