

2021-10-15

RSC NOTAM



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WHY?

- › ICAO requirement for a new Global Reporting Format (GRF)
- › New regulations from Transport Canada for CRFI
- › Transport Canada also wanted some differences from the ICAO format
- › Resulted in a Canadian version called RSC NOTAM

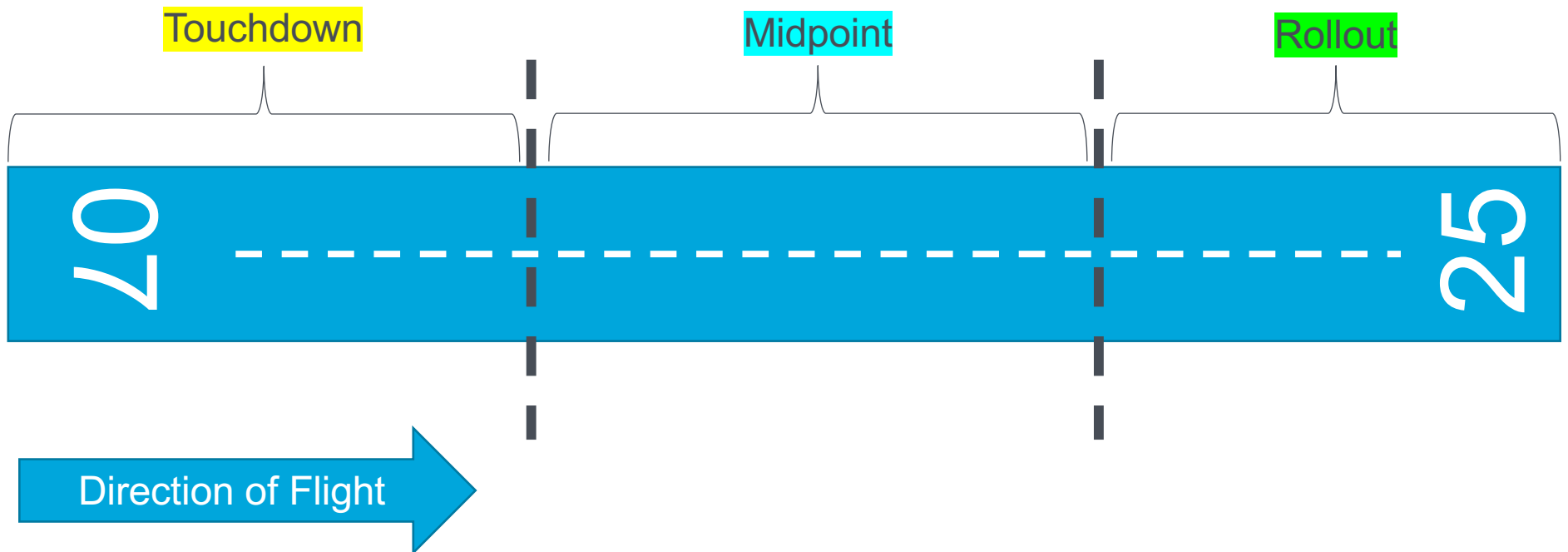
RUNWAY CONDITION ASSESSMENT MATRIX (RCAM)

Table 4 – Runway condition assessment matrix (RCAM)

Assessment Criteria		Control/Braking Assessment Criteria	
Runway surface description	RWYCC	Vehicle deceleration or directional control observation	Pilot braking action
<ul style="list-style-type: none"> • DRY 	6	-	-
<ul style="list-style-type: none"> • FROST • WET (The runway surface is covered by any visible dampness or water up to and including 1/8 inch (3 mm) depth) <p>Up to and including 1/8 inch (3 mm) depth:</p> <ul style="list-style-type: none"> • SLUSH • DRY SNOW • WET SNOW 	5	Braking deceleration is normal for the wheel braking applied AND directional control is normal	GOOD
<p>-15°C and colder outside air temperature:</p> <ul style="list-style-type: none"> • COMPACTED SNOW 	4	Braking deceleration OR directional control is between Good and Medium	GOOD TO MEDIUM
<ul style="list-style-type: none"> • SLIPPERY WHEN WET (wet runway) • DRY SNOW or WET SNOW (Any depth) ON TOP OF COMPACTED SNOW <p>Greater than 1/8 inch (3 mm) depth:</p> <ul style="list-style-type: none"> • DRY SNOW • WET SNOW <p>Warmer than -15°C outside air temperature:</p> <ul style="list-style-type: none"> • COMPACTED SNOW 	3	Braking deceleration is noticeably reduced for the wheel braking effort applied OR directional control is noticeably reduced	MEDIUM
<p>Greater than 1/8 inch (3 mm) depth:</p> <ul style="list-style-type: none"> • STANDING WATER • SLUSH 	2	Braking deceleration OR directional control is between Medium and Poor	MEDIUM TO POOR
<ul style="list-style-type: none"> • ICE 	1	Braking deceleration is significantly reduced for the wheel braking effort applied OR directional control is significantly reduced	POOR
<ul style="list-style-type: none"> • WET ICE • SLUSH ON TOP OF ICE • WATER ON TOP OF COMPACTED SNOW • DRY SNOW or WET SNOW ON TOP OF ICE 	0	Braking deceleration is minimal to non-existent for the wheel braking effort applied OR directional control is uncertain	LESS THAN POOR / NIL

From AC 700-057

REPORTING IN THIRDS IS A NEW OPTION



RSC 07 5/3/3 50 PCT 1/8IN DRY SNOW AND 25 PCT COMPACTED SNOW, 50 PCT COMPACTED SNOW AND 50 PCT 1/4IN DRY SNOW, 25 PCT COMPACTED SNOW AND 25 PCT 1/4IN DRY SNOW. 160FT WIDTH. REMAINING WIDTH COMPACTED SNOW. VALID DEC 16 1300 - DEC 16 2100.

ADDN NON-GRF/TALPA INFO:
CRFI 07 -3C .40/.32/.30 OBS AT 2012161245.

VARIATIONS OF RSC NOTAM

The aerodrome operator decides on how to report RSC NOTAM for each runway:

1. RSC and CRFI by Thirds

RSC 07 5/3/3 50 PCT 1/8IN DRY SNOW AND 25 PCT COMPACTED SNOW, 50 PCT COMPACTED SNOW AND 50 PCT 1/4IN DRY SNOW, 25 PCT COMPACTED SNOW AND 25 PCT 1/4IN DRY SNOW. 160FT WIDTH. REMAINING WIDTH COMPACTED SNOW. VALID DEC 16 1300 - DEC 16 2100.

...

ADDN NON-GRF/TALPA INFO:
CRFI 07 -3C .40/.32/.30 OBS AT 2012161245.

...

2. RSC and CRFI by full runway length

RSC 07/25 50 PCT 1/8IN DRY SNOW AND 25 PCT COMPACTED SNOW.
160FT WIDTH. REMAINING WIDTH COMPACTED SNOW. VALID DEC 16 1300 - DEC 16 2100.

ADDN NON-GRF/TALPA INFO:
CRFI 07/25 -3C .40 OBS AT 2012161245.

3. Combination

3 DISTINCT SECTIONS OF RSC NOTAM

(B1235/20 NOTAMN

Q) CZWG/QFAXX/IV/NBO/A/000/999/4942N09741W005

A) CAAA B) YYMDDHHMM C) YYMDDHHMM

E) RSC 07 3/3/2 50 PCT 1/8IN DRY SNOW ON TOP OF COMPACTED SNOW, 50 PCT COMPACTED SNOW, 50 PCT COMPACTED SNOW. 160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING WIDTH COMPACTED SNOW. RWYCC DOWNGRADED. VALID MMM DD HHMM - MMM DD HHMM.

RSC 25 2/3/3 50 PCT COMPACTED SNOW, 50 PCT COMPACTED SNOW, 50 PCT 1/8IN DRY SNOW ON TOP OF COMPACTED SNOW. 160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING WIDTH COMPACTED SNOW. RWYCC DOWNGRADED. VALID MMM DD HHMM - MMM DD HHMM.

RSC 14/32 30 PCT ICE. 150FT WIDTH. CHEMICALLY TREATED AT HHMM. REMAINING WIDTH WET SNOW. VALID MMM DD HHMM - MMM DD HHMM.

ADDN NON-GRF/TALPA INFO:

CRFI 07 -3C .40/.32/.27 OBS AT YYMDDHHMM.

CRFI 25 -3C .27/.32/.40 OBS AT YYMDDHHMM.

CRFI 14/32 -3C .20 OBS AT YYMDDHHMM.

RMK: TWY A ICE PATCHES. TWY B COMPACTED SNOW, 2FT SNOWBANKS. TWY C BRAKING ACTION POOR.

RMK: ALL APNS ICE PATCHES.

RMK: NEXT OBS AT MMM DD HHMM

RSC Section

CRFI Section

RMKs Section

RSC NOTAM VALIDITY VS RSC REPORT VALIDITY

(B1235/20 NOTAMN

Q) CZWG/QFAXX/IV/NBO/A/000/999/4942N09741W005

A) CAAA B) YYMMDDHHMM C) YYMMDDHHMM

E) RSC 07 3/3/2 50 PCT 1/8IN DRY SNOW ON TOP OF COMPACTED SNOW, 50 PCT COMPACTED SNOW, 50 PCT COMPACTED SNOW. 160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING WIDTH COMPACTED SNOW. RWYCC DOWNGRADED. VALID MMM DD HHMM - MMM DD HHMM.

RSC 25 2/3/3 50 PCT COMPACTED SNOW, 50 PCT COMPACTED SNOW, 50 PCT 1/8IN DRY SNOW ON TOP OF COMPACTED SNOW. 160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING WIDTH COMPACTED SNOW. RWYCC DOWNGRADED. VALID MMM DD HHMM - MMM DD HHMM.

RSC 14/32 30 PCT ICE. 150FT WIDTH. CHEMICALLY TREATED AT HHMM. REMAINING WIDTH WET SNOW. VALID MMM DD HHMM - MMM DD HHMM.

ADDN NON-GRF/TALPA INFO:

CRFI 07 -3C .40/.32/.27 OBS AT YYMMDDHHMM.

CRFI 25 -3C .27/.32/.40 OBS AT YYMMDDHHMM.

CRFI 14/32 -3C .20 OBS AT YYMMDDHHMM.

RMK: TWY A ICE PATCHES. TWY B COMPACTED SNOW, 2FT SNOWBANKS. TWY C BRAKING ACTION POOR.
RMK: ALL APNS ICE PATCHES.
RMK: NEXT OBS AT MMM DD HHMM.

RSC NOTAM Validity:

When time in ITEM C) is reached, NOTAM is automatically removed from the system

RSC Report Validity

CRFI Observation Time

NOTAMJ VS RSC NOTAM

NOTAMJ

000000 NOTAMJ CAAA SOMESPOT INTL
CAAA RSC 07/25 160 FT CL 10 PCT DRY SN 0.13 INS, 50
PCT COMPACTED SN, 40 PCT BARE AND DRY. REMAINING WID
100 PCT COMPACTED SN. SAND. 2012071400
CAAA CRFI 07/25 -3C .32 2012071400
CAAA RSC 14/32 150 FT CL 30 PCT ICE, 70 PCT BARE AND
DRY. REMAINING WID 100 PCT WET SN 0.75 INS. CHEM.
2012071000
CAAA CRFI 14/32 -3C .20 2012071000
RMK: TWY A ICE PATCHES. TWY B COMPACTED SN, 2FT SNOW
BANKS. TWY C BRAKING ACTION POOR.
RMK: APN ALL APNS ICE PATCHES.
NEXT OBS SKED FOR 2012071800

RSC NOTAM

(B1235/20 NOTAMN
Q) CZWG/QFAXX/IV/NBO/A/000/999/4942N09741W005
A) CAAA B) 2012071415 C) 2012072215
E) RSC 07 3/3/2 30 PCT 1/8IN DRY SNOW AND 50 PCT
COMPACTED SNOW, 50 PCT COMPACTED SNOW, 50 PCT COMPACTED
SNOW. 160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING
WIDTH COMPACTED SNOW. RWYCC DOWNGRADED. VALID DEC 07
1400 - DEC 07 2200.

RSC 25 2/3/3 50 PCT COMPACTED SNOW, 50 PCT COMPACTED
SNOW, 50 PCT 1/8IN DRY SNOW ON TOP OF COMPACTED SNOW.
160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING WIDTH
COMPACTED SNOW. RWYCC DOWNGRADED. VALID DEC 07 1400 -
DEC 07 2200.

RSC 14/32 30 PCT ICE. 150FT WIDTH. CHEMICALLY TREATED AT
HHMM. REMAINING WIDTH WET SNOW. VALID DEC 07 1000 - DEC
07 1800.

ADDN NON-GRF/TALPA INFO:
CRFI 07 -3C .40/.32/.27 OBS AT 2012071400.
CRFI 25 -3C .27/.32/.40 OBS AT 2012071400.
CRFI 14/32 -3C .20 OBS AT 2012071000.

RMK: TWY A ICE PATCHES. TWY B COMPACTED SNOW, 2FT
SNOWBANKS. TWY C BRAKING ACTION POOR.
RMK: ALL APNS ICE PATCHES.
RMK: NEXT OBS AT DEC 07 1800.

NOTAMJ VS RSC NOTAM

NOTAMJ

000000 NOTAMJ CAAA SOMESPOT INTL
CAAA RSC 07/25 160 FT CL 10 PCT DRY SN 0.13 INS, 50
PCT COMPACTED SN, 40 PCT BARE AND DRY. REMAINING WID
100 PCT COMPACTED SN. SAND. 2012071400
CAAA CRFI 07/25 -3C .32 2012071400
CAAA RSC 14/32 150 FT CL 30 PCT ICE, 70 PCT BARE AND
DRY. REMAINING WID 100 PCT WET SN 0.75 INS. CHEM.
2012071000
CAAA CRFI 14/32 -3C .20 2012071000
RMK: TWY A ICE PATCHES. TWY B COMPACTED SN, 2FT SNOW
BANKS. TWY C BRAKING ACTION POOR.
RMK: APN ALL APNS ICE PATCHES.
NEXT OBS SKED FOR 2012071800

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Q) CZWG/QFAXX/IV/NBO/A/000/999/4942N09741W005
A) CAAA B) 2012071415 C) 2012072215
E) RSC 07 3/3/2 30 PCT 1/8IN DRY SNOW AND 50 PCT
COMPACTED SNOW, 50 PCT COMPACTED SNOW, 50 PCT COMPACTED
SNOW. 160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING
WIDTH COMPACTED SNOW. RWYCC DOWNGRADED. VALID DEC 07
1400 - DEC 07 2200.

RSC 25 2/3/3 50 PCT COMPACTED SNOW, 50 PCT COMPACTED
SNOW, 50 PCT 1/8IN DRY SNOW ON TOP OF COMPACTED SNOW.
160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING WIDTH
COMPACTED SNOW. RWYCC DOWNGRADED. VALID DEC 07 1400 -
DEC 07 2200.

RSC 14/32 30 PCT ICE. 150FT WIDTH. CHEMICALLY TREATED AT
HHMM. REMAINING WIDTH WET SNOW. VALID DEC 07 1000 - DEC
07 1800.

ADDN NON-GRF/TALPA INFO:
CRFI 07 -3C .40/.32/.27 OBS AT 2012071400.
CRFI 25 -3C .27/.32/.40 OBS AT 2012071400.
CRFI 14/32 -3C .20 OBS AT 2012071000.

RMK: TWY A ICE PATCHES. TWY B COMPACTED SNOW, 2FT
SNOWBANKS. TWY C BRAKING ACTION POOR.
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NOTAMJ

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PCT COMPACTED SN, 40 PCT BARE AND DRY. REMAINING WID
100 PCT COMPACTED SN. SAND. 2012071400
CAAA CRFI 07/25 -3C .32 2012071400
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BANKS. TWY C BRAKING ACTION POOR.
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E) RSC 07 3/3/2 30 PCT 1/8IN DRY SNOW AND 50 PCT
COMPACTED SNOW, 50 PCT COMPACTED SNOW, 50 PCT COMPACTED
SNOW. 160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING
WIDTH COMPACTED SNOW. RWYCC DOWNGRADED. VALID DEC 07
1400 - DEC 07 2200.

RSC 25 2/3/3 50 PCT COMPACTED SNOW, 50 PCT COMPACTED
SNOW, 50 PCT 1/8IN DRY SNOW ON TOP OF COMPACTED SNOW.
160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING WIDTH
COMPACTED SNOW. RWYCC DOWNGRADED. VALID DEC 07 1400 -
DEC 07 2200.

RSC 14/32 30 PCT ICE. 150FT WIDTH. CHEMICALLY TREATED AT
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07 1800.

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CAAA RSC 07/25 160 FT CL 10 PCT DRY SN 0.13 INS, 50
PCT COMPACTED SN, 40 PCT BARE AND DRY. REMAINING WID
100 PCT COMPACTED SN. SAND. 2012071400
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CAAA CRFI 14/32 -3C .20 2012071000
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BANKS. TWY C BRAKING ACTION POOR.
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Q) CZWG/QFAXX/IV/NBO/A/000/999/4942N09741W005
A) CAAA B) 2012071415 C) 2012072215
E) RSC 07 3/3/2 30 PCT 1/8IN DRY SNOW AND 50 PCT
COMPACTED SNOW, 50 PCT COMPACTED SNOW, 50 PCT COMPACTED
SNOW. 160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING
WIDTH COMPACTED SNOW. RWYCC DOWNGRADED. VALID DEC 07
1400 - DEC 07 2200.

RSC 25 2/3/3 50 PCT COMPACTED SNOW, 50 PCT COMPACTED
SNOW, 50 PCT 1/8IN DRY SNOW ON TOP OF COMPACTED SNOW.
160FT WIDTH. LOOSE SAND APPLIED AT HHMM. REMAINING WIDTH
COMPACTED SNOW. RWYCC DOWNGRADED. VALID DEC 07 1400 -
DEC 07 2200.

RSC 14/32 30 PCT ICE. 150FT WIDTH. CHEMICALLY TREATED AT
HHMM. REMAINING WIDTH WET SNOW. VALID DEC 07 1000 - DEC
07 1800.

ADDN NON-GRF/TALPA INFO:
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CRFI 25 -3C .27/.32/.40 OBS AT 2012071400.
CRFI 14/32 -3C .20 OBS AT 2012071000.

RMK: TWY A ICE PATCHES. TWY B COMPACTED SNOW, 2FT
SNOWBANKS. TWY C BRAKING ACTION POOR.
RMK: ALL APNS ICE PATCHES.
RMK: NEXT OBS AT DEC 07 1800.

REFERENCES

- › Advisory Circular (AC) 700-057 – *Global Reporting Format (GRF) for Runway Surface Condition Reporting: Guidance for Flight Operations*

<https://tc.canada.ca/en/aviation/reference-centre/advisory-circulars/advisory-circular-ac-no-700-057>

- › Section 8 of Canadian NOTAM Operating Procedures (CNOP) Effective 12 August 2021

<https://www.navcanada.ca/en/aeronautical-information/operational-guides.aspx>

- › AIC 24/21 *User Information for the Implementation of the Canadian Runway Surface Condition NOTAM Format 12 August 2021*

<https://www.navcanada.ca/en/aiceng202124.pdf>

NAV CANADA PROPRIETARY

THANK YOU



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