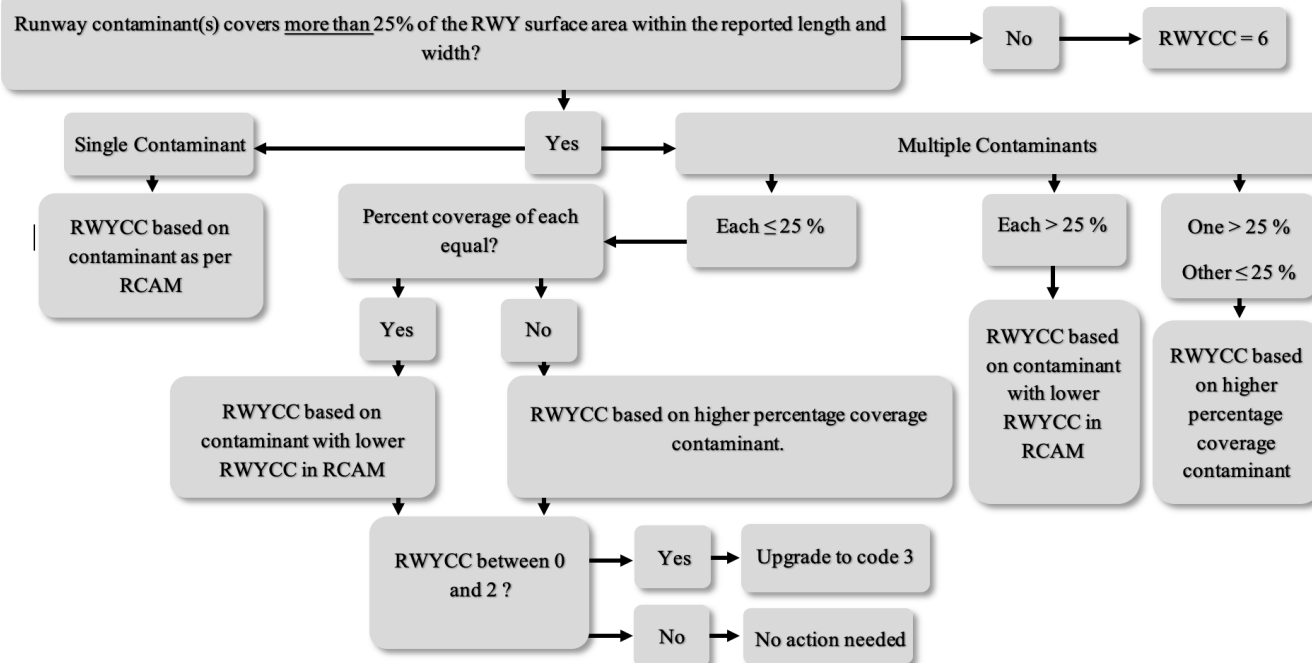




# OPERATIONAL RUNWAY CONDITION ASSESSMENT MATRIX (RCAM)

Assessment Criteria		MAX X-WIND	
Runway Condition Description (use only when no RWYCC is provided)	RWYCC	DASH8	HS748
•Dry •100% Compacted snow/gravel mix at all OAT	6	36 kt	30 kt
•FROST •Wet (Damp and 0.13 in or less depth of water) •Wet Snow 0.13 in or less depth •Dry Snow 1.0 in or less depth •Dry Snow 1.0 in or less depth over Compacted snow/gravel mix: -15°C and Colder OAT	5	30 kt	30 kt
•Dry Snow 1.0 in or less depth over Compacted snow/gravel mix: Warmer than -15°C OAT •100% Compacted Snow: -15°C and Colder OAT	4	25 kt	25 kt
•100% Compact Snow: Warmer than -15°C OAT •Wet Snow 0.13 in or less depth over Compacted snow/gravel mix •Dry Snow more than 1.0 in depth •Wet ("Slippery when wet" runway) •Dry Snow or Wet Snow (Any depth) over 100% Compacted Snow •Wet Snow greater than 0.13 in depth •Slush 0.13 in or less depth •Ice: -25°C and colder OAT	3	20 kt	20 kt
•Water Greater than 0.13 in depth •Ice: -15°C to -24°C OAT	2	15 kt	15 kt
•Slush Greater than 0.13 in depth. •Ice: -8°C to -14°C OAT	1	10 kt	10 kt
•Wet Snow greater than 0.13 in depth over Compacted snow/gravel mix •Water on top of 100% Compacted Snow •Over Ice: Dry Snow, Wet Snow, Slush, Water •Ice: -7°C and warmer OAT	0	NO GO	NO GO
Trace = Contamination Depth of ≤ 1/8" / 0.13 in / 3mm		COMPACTED SNOW ON A GRAVEL RWY = COMPACTED SNOW/GRAVEL MIX	
TAKEOFF & LANDING DISTANCES MUST BE CHECKED (DASH-8 ONLY)			
SEE BACK OF THE PAGE FOR THE PROCEDURE WHEN A RWYCC IS PROVIDED AND NOT PROVIDED ➡			

## WHEN NO RWYCC IS PROVIDED, FOLLOW THE FLOW CHART BELOW



- Code 0 does not need to be considered when the runway is **70% bare and dry** or **70% bare and wet** or **70% Compacted snow/gravel mix**, in this case upgrade code 0 to code 1.

When no RWYCC is provided, the Chief Pilot, the DFO (or their delegate) may upgrade a RWYCC from 0 to 1 when all the following requirements are met:

- CRFI is at or higher than 0.35
- PIC agrees on the upgrade

## USE THE RWYCC WHEN PROVIDED. FOR MORE DETAILS, SEE THE DOCUMENT BELOW OR ASK YOUR DISPATCHER

Take-off and Landing Performance Assessment (TALPA) methodology (available in Sharepoint)

1. Ice patches must be considered as a whole. For example, 30 PCT ICE PATCHES is considered the same as 30 PCT ICE.
2. For planning purpose use the ETA forecasted outside air temperature.
3. RSC will only be accepted from qualified personnel. Ex: CARS, RWY Maintainer, pilot, accurate report from an CRQ agent.
4. Only flights with a valid alternate (including the RSC) will be allowed to be dispatch if no RSC is avail at the destination.
5. The maximum permitted contaminant must be respected over the total minimum runway width.
6. WHEN IN DOUBT USE LOWER RUNWAY CODE. The RCAM must be used for planning and inflight.

### OPERATION FROM NARROW RUNWAY DASH8 (SUPPL 54)

RUNWAY WIDTH		MAX X-WIND	CONTAMINATIONS ALLOWED?		
97ft-59ft		RCAM Limits	Yes		
58ft-46ft		25kt	No		
MAXIMUM CONTAMINANT DEPTH					
DASH-8	WATER	DRY SNOW	WET SNOW	SLUSH	
	0.5 in	2.0 in	1 in	0.5 in	
HS748	WATER	DRY SNOW	WET SNOW	SLUSH	
	N/A	2.0 in	0.5 in	0.5 in	