

[RDD.CHG] Runway declared distance(s) - change (NOTAM)

Text NOTAM production rules

This section provides rules for the automated production of the text NOTAM message items, based on the AIXM 5.1.1 data encoding of the Event. Therefore, AIXM specific terms are used, such as names of features and properties, types of TimeSlices, etc:

- the abbreviation **RDN.BL**. indicates that the corresponding data item must be taken from the RunwayDirection BASELINE;
- the abbreviation **RWY.BL**. indicates that the corresponding data item must be taken from the Runway BASELINE associated with the RunwayDirection concerned;
- the abbreviation **AHP.BL**. indicates that the corresponding data item must be taken from the AirportHeliport BASELINE associated with the Runway that is associated with the RunwayDirection concerned;
- the abbreviation **RCP.TD**. indicates that the corresponding data item must be taken from the additional RunwayCentrelinePoint TEMPDELTA that might have been created for the Event and which are associated with the same RunwayDirection that has the RDN.BL;
- (*legacy coding case*) In case the Event is a consequence of a THR.CHG Event based on legacy data, the abbreviation **RCP[n].BL**. indicates that the corresponding data item must be taken from the new RunwayCentrelinePoint BASELINE that might have been created for the THR.CHG Event;
 - *Note: According to encoding rules for RDD.CHG, the TEMPDELTA (and/or BASELINE if created) might also include RunwayDeclaredDistance and/or RunwayDeclaredDistanceValue elements that have been copied from the BASELINE data for compliance with the AIXM Temporality rules. The current practice is to not include such static information in the NOTAM text. Therefore, all ManoeuvringAreaAvailability that have operationalStatus=NORMAL (they also have an associated annotation with purpose=REMARK and the text="Baseline data copy. Not included in the NOTAM text generation") shall be excepted from the text NOTAM generation algorithm.*

In general, the ICAO DOC 8126 and the OPADD rules shall be followed. These have not been copied in this document in order to avoid duplication with those documents. Only instructions that are specific to the AIXM encoding of this event are stated here.

Item A

The item A shall contain the AD.BL.designator if AD.BL.locationIndicatorICAO='YES'. Otherwise, the nationality letter(s) as defined in ICAO Doc 7910 followed by "XX" or "XXX".

Q code

The following mapping shall be used:

Declared Distance	Corresponding Q code
Declared Distance Change	QMDCH

Scope

Insert the value 'A'.

Lower limit / Upper limit

Use "000/999"

Geographical reference

Insert the coordinate of the ARP (BL.ARP.ElevatedPoint) of the airport, formatted as follows:

- the set of coordinates comprises 11 characters rounded up or down to the nearest minute; i.e. Latitude (N/S) in 5 characters; Longitude (E/W) in 6 characters;
- the radius value is "005".

Items B, C and D

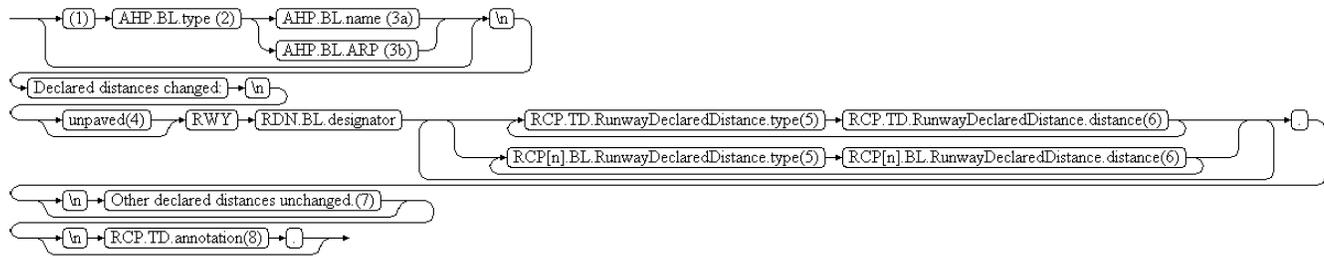
Items B and C shall be decoded following the common production rules.

If at least one RCP.TD.associatedDeclaredDistance.RunwayDeclaredDistanceValue.timeInterval exists (the Event has an associated schedule), then it shall be represented in item D according to the common NOTAM production rules for {{Item D, E - Schedules}}. Otherwise, item D shall be left empty.

Item E

The following pattern should be used for automatically generating the E field text from the AIXM data:

template



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EBNF Code

template = ["(1)" "AHP.BL.type (2)" ("AHP.BL.name (3a)" | "AHP.BL.ARP (3b)") ] "\n" \n
"Declared distances changed:" "\n" \n
["unpaved(4)"] "RWY" "RDN.BL.designator" ("RCP.TD.RunwayDeclaredDistance.type(5)" "RCP.TD.
RunwayDeclaredDistance.distance(6)" {"RCP.TD.RunwayDeclaredDistance.type(5)" "RCP.TD.RunwayDeclaredDistance.
distance(6)"} | "RCP[n].BL.RunwayDeclaredDistance.type(5)" "RCP[n].BL.RunwayDeclaredDistance.distance(6)" {"RCP
[n].BL.RunwayDeclaredDistance.type(5)" "RCP[n].BL.RunwayDeclaredDistance.distance(6)"} {"RCP.TD.
RunwayDeclaredDistance.type(5)" "RCP.TD.RunwayDeclaredDistance.distance(6)" {"RCP.TD.RunwayDeclaredDistance.type
(5)" "RCP.TD.RunwayDeclaredDistance.distance(6)"} | "RCP[n].BL.RunwayDeclaredDistance.type(5)" "RCP[n].BL.
RunwayDeclaredDistance.distance(6)" {"RCP[n].BL.RunwayDeclaredDistance.type(5)" "RCP[n].BL.
RunwayDeclaredDistance.distance(6)"} }"." \n
["\n" "Other declared distances unchanged.(7)"]\n
["\n" "RCP.TD.annotation(8)" "."].
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Reference	Rule								
(1)	If AD.BL.locationIndicatorICAO=YES, then ignore this branch.								
(2)	Insert here the type of the airport decoded as follows <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>AHP.BL.type</th> <th>Text to be inserted in Item E</th> </tr> </thead> <tbody> <tr> <td>AD or AH</td> <td>"AD"</td> </tr> <tr> <td>HP</td> <td>"Heliport"</td> </tr> <tr> <td>LS or OTHER...</td> <td>"Landing site"</td> </tr> </tbody> </table>	AHP.BL.type	Text to be inserted in Item E	AD or AH	"AD"	HP	"Heliport"	LS or OTHER...	"Landing site"
AHP.BL.type	Text to be inserted in Item E								
AD or AH	"AD"								
HP	"Heliport"								
LS or OTHER...	"Landing site"								
(3)	a. If AHP.BL.name is not NIL, then insert it here. Otherwise, b. insert here the text "located at " followed by the AHP.BL.ARP.ElevatedPoint decoded according to the text NOTAM production rules for aixm:Point								
(4)	Insert the word "unpaved" if RW.BL.SurfaceCharacteristics.composition has one of the values CLAY, CORAL, EARTH, GRASS, GRAVEL, ICE, LATERITE, MACADAM, SAND, SNOW, WATER, OTHER. Otherwise do not insert anything.								

(5)	<p>Insert here the declared distance type decoded as follows in the order below. Only the RCP.TD.RunwayDeclaredDistance and RCP[n].BL.RunwayDeclaredDistance which do not have an associated Note with purpose=REMARK and the text="Baseline data copy. Not included in the NOTAM text generation" shall be included.</p> <p>If AHP.BL.type=AD, LS or OTHER</p> <table border="1" data-bbox="272 268 917 506"> <thead> <tr> <th>RCP.TD.DeclaredDistance.type</th> <th>Text to be inserted in Item E</th> </tr> </thead> <tbody> <tr> <td>TORA</td> <td>"TORA"</td> </tr> <tr> <td>TODA</td> <td>"TODA"</td> </tr> <tr> <td>ASDA</td> <td>"ASDA"</td> </tr> <tr> <td>LDA</td> <td>"LDA"</td> </tr> </tbody> </table> <p>If AD.BLtype=HP</p> <table border="1" data-bbox="272 569 917 758"> <thead> <tr> <th>RCP.TD.DeclaredDistance.type</th> <th>Text to be inserted in Item E</th> </tr> </thead> <tbody> <tr> <td>TODAH</td> <td>"TODAH"</td> </tr> <tr> <td>RTOAH</td> <td>"RTODAH"</td> </tr> <tr> <td>LDAH</td> <td>"LDAH"</td> </tr> </tbody> </table>	RCP.TD.DeclaredDistance.type	Text to be inserted in Item E	TORA	"TORA"	TODA	"TODA"	ASDA	"ASDA"	LDA	"LDA"	RCP.TD.DeclaredDistance.type	Text to be inserted in Item E	TODAH	"TODAH"	RTOAH	"RTODAH"	LDAH	"LDAH"
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TORA	"TORA"																		
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TODAH	"TODAH"																		
RTOAH	"RTODAH"																		
LDAH	"LDAH"																		
(6)	<p>Insert here the declared distance value followed by its unit of measurement decoded according to the {{text NOTAM production rules for distances}}</p>																		
(7)	<p>If there are:</p> <ul style="list-style-type: none"> a. RCP.TD.DeclaredDistance and RCP[n].BL.DeclaredDistance that have an associated Note with purpose=REMARK and the text="Baseline data copy. Not included in the NOTAM text generation"; and/or b. other RunwayCentrelinePoint BASELINE TimeSlices associated with the same RDN.BL as RCP.TD and RCP[n].BL. and which contain associatedDeclaredDistance, <p>add here "Other declared distances unchanged.". Otherwise insert nothing.</p>																		
(8)	<p>Annotations shall be translated into free text according to the rule for {{decoding annotations}}.</p>																		

Note: The objective is to fully automate generation, without human intervention. However, the implementers of the specification might consider reducing the cost of a fully automated generation by allowing the operator to fine-tune the text in order to improve its readability (with the inherent risk for human error when re-typing is allowed).

Items F & G

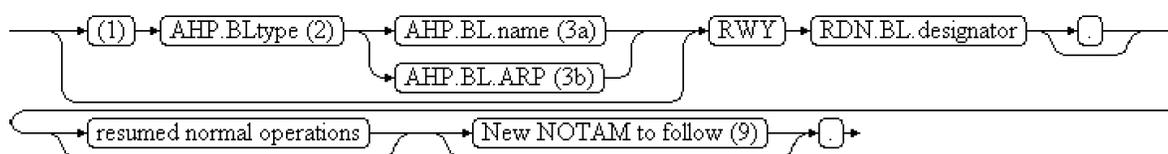
Leave empty.

Event Update

The eventual update of this type of event shall be encoded following the general rules for {{Event updates or cancellation}}, which provide instructions for all NOTAM fields, except for item E and the condition part of the Q code, in the case of a NOTAMC

If a NOTAMC is produced, then the 4th and 5th letters (the "condition") of the Q code shall be "AK" unless there is a new NOTAM to follow, in which case the Q code shall be "XX" and the following pattern should be used for automatically generating the E field text from the AIXM data:

template_cancel



EBNF Code

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template_cancel = ["(1)" "AHP.BL.type (2)" ("AHP.BL.name (3a)" | "AHP.BL.ARP (3b)") ] "RWY" "RDN.BL.designator"
["."] \n
["resumed normal operations"] ["New NOTAM to follow (9)"] "."

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Reference	Rule
(9)	<p data-bbox="272 254 1489 306">If the NOTAM will be followed by a new NOTAM concerning the same situation, then the operator shall have the possibility to specify "New NOTAM to follow" and this text shall be appended at the end of item E of the NOTAM C.</p> <p data-bbox="272 323 1040 352">Note: in this case, the 4th and 5th letters of the Q code shall also be changed into "XX"</p>