ARINC 424 NDB
Draft 1 of Supplement 23
Discussion/Proposal

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TIME OF OPERATIONS CLARIFICATIONS
V.1

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SUMMARY
Proposed clarifications to the time of operations related field descriptions in ARINC 424 Chapter 5.

1.0 INTRODUCTION/ BACK GROUND

These proposed changes are clarifications, consistency changes and corrections in the time of operations related fields described in chapter 5.

2.0 DISCUSSION and or ACTION

These proposed changes are clarifications, consistency changes and corrections in the time of operations related fields described in chapter 5.

3.0 Changes as depicted (Track Changes is Helpful)

5.131 Time Code (TIME CD)

Definition/Description: When used on the Primary or Primary Extension Continuation Record of the possible record types, with the exception of the Airway Restriction Records, the Time Code field is used to indicate that the data contained in the record is either available continuously or not continuously. When Time Code is used in a Time of Operations Continuation Record, other than Airway Restriction Records, the field is used to indicate how to interpret Time of Operations Continuation Records. On Airway Restriction Primary and Continuation Records, the Time Code indicated either a continuous or non-continuous operation, the details of which are contained in the same record.

Source/Content: Active times are derived from official government source. The field will contain an alpha character for which an associated description has been defined as indicated in the tables below.

Used On: Primary Records: Restrictive Airspace, Preferred Route, Controlled Airspace – Use Primary Record Table portion.

Primary Extension Continuation Records: Airport, Heliport and Enroute Communications Records – Use Primary Record Table portion.

Time of Operations Continuation Records: Restrictive Airspace, Preferred Route, Controlled Airspace, Airport, Heliport, Enroute Communications Records – Use Continuation Records Table portion.

.PRIMARY RECORDS	
.Field Content	Description
C	Active Continuously, including holidays
H	Active Continuously, excluding holidays
N	Active Non-Continuously, Refer to Continuation Record
P	Active times announced by NOTAM
U	Active times are not specified in source documentation

CONTINUATION RECORDS	
H	Active times are provided in Time of Operation format and exclude holidays
N	Activation Times are too complex for Time of Operation format and are provided in Note Form
T	Active times are provided in Time of Operation format and include holidays

Time of Operations Continuation Records: Restrictive Airspace, Preferred Route, Controlled Airspace, ~~Airport, Heliport, Enroute Communications~~ Continuation Records

PRIMARY AND CONTINUATION RECORDS	
Field Content	**Description**
C	Active Continuously, including holidays
H	Active Continuously, excluding holidays
S	Active times are provided in Time of Operation format and exclude holidays
T	Active times are provided in Time of Operation format and include holidays

Used On: Enroute Airway Restriction Primary and Continuation Records

Length: 1 character

Character Type: Alpha

5.132 NOTAM

Definition/Description: Restrictive Airspace areas may not have established active times and are activated by NOTAM or may be active by NOTAM in addition to established times.

Communication facilities may be active by NOTAM in addition to established times.

Source/Content: Active times by NOTAM will be derived from official government source. When used on **airspace** primary records, the area is active only by NOTAM and there will be no continuation record. When used on **airspace or communication** continuation records, the area is active by NOTAM in addition to the established times. The field will contain the alpha character N to indicate either condition, otherwise the field will be blank.

Used On: Controlled Airspace **Primary and Continuation Records,** ~~,~~ Restrictive Airspace ~~, and~~ **Primary and** ~~Restrictive Airspace~~ Continuation records**; and Airport/** ~~, ~~**Heliport/** ~~, and ~~**Enroute Communication Primary Extension Communications Records.**

Length: 1 character

Character Type: Alpha

5.138 Time Indicator (TIME IND)

Definition/Description: The Time Indicator field is used to indicate whether the times shown in the Time of Operations field(s) are Local Time, Daylight Savings Time or Universal Coordinated Time.

Source/Content: Time contained in the affected record(s) is derived from official government sources. The Time Indicator will qualify those source derived times as indicated in the following table:

Field Content	Description
T	Times codes are Local Time
S	Times codes are to be adjusted for Daylight Savings Time
Blank	Times shown are Universal Coordinated Time (UTC).

Used On: Controlled **and Restrictive** Airspace, ~~Restrictive Airspace~~ Continuation **Records;** ~~,~~ ~~Referred~~ **Preferred** Route Continuation **Records; Flight Planning Continuation Records;** ~~,~~ Enroute Airway**s** Restriction **Altitude Exclusion Primary, Seasonal Closure, and Cruising Table Replacement Primary and Continuation Records;** ~~,~~ Airport, ~~and~~ Heliport**, and Enroute Communications Primary Extension** ~~Communication~~ Continuation, ~~and Enroute Communications Continuation~~ Records

Length: 1 character

Character   Type: Alpha

5.285 Time Narrative

Definition/Description: The Time Narrative field is used to provide Time of Operations and/or Conditions of Operations in a narrative form when source information cannot be formatted in accordance with Section 5.195 of this specification.

Source/Content: The field content will be derived from official government sources.

        Used On: ~~Enroute Airway Restriction,~~ Enroute/Airport/Heliport Communications **Continuation Records.** ~~, Restrictive Airspace, Controlled Airspace and Preferred Route Continuation Records~~
        Length: 100 characters max (per record)
        Character Type: Alpha/numeric

5.91 Continuation Record Application Type (APPL)

Definition/Description: This field indicates specific application of this continuation record.

Source/Content: The field will contain one of the following type codes:

Field Content	Description
A	A standard ARINC 424 Continuation containing Notes or other formatted data not covered by a define Continuation

B	Combined Controlling Agency/Call Sign and formatted Time of Operation
C	Call Sign/Controlling Agency Continuation
E	Primary Record Extension
L	VHF Navaid/TACAN Only Navaid Limitation Continuation
N	~~A~~ Sector Narrative Continuation
T	~~A~~ Time of Operations Continuation, formatted time data
U	~~A~~ Time of Operations Continuation, **n** ~~N~~ arrative time data
~~V~~	~~A Time of Operations Continuation, Start/End Date~~
P	~~A~~ Flight Planning Application Continuation
S	Simulation Application Continuation
W	An Airport or Heliport Procedure Data Continuation

Used On: Continuation Records
Length: 1 character
Character   Alpha
Type: