

ARINC 429 REQUEST FORM  
Revision 09/27/2011

Use this form to propose changes to ARINC 429 Part 1 and Part 2. A complete bit-oriented description should be included with your proposal.

The completed form should be submitted to:

José Godoy  
Industry Activities staff  
Aeronautical Radio, Inc.  
2551 Riva Road  
Annapolis, Maryland 21401

Facsimile: (410) 266-2047  
E-mail: jgodoy@arinc.com

Name: **John Doe** E-mail: **john.doe@anycompany.com**  
Company: Phone: **xxx xxx xxxx**  
Date Requested: **Today's Date** Fax: **xxx-xxx xxxx**

Equipment Type: **Electronic Chronometer**  
Equipment ID (Hex):031  Proposed  Already Assigned

Label (Octal) Requested: **150**  
Label Type:  BNR  BCD  DIS  SAL  
Parameter Name: **Universal Coordinate Time (UTC)**

Units: **N/A** Range (scale): **23:59.59**  
Significant Bits: **17** Positive Sense: **N/A**  
Min Trans Interval (msec): **1200** Resolution: **1.0 sec**  
Max Trans Interval (msec): **200** Max Trans Delay (msec): **N/A**  
Notes:

On the next page is a Blank ARINC 429 bit definition form. Please complete the form when requesting a label assignment.

Examples of completed ARINC 429 Request forms are available on the ARINC Website in either Acrobat (pdf) or MSWord Format. If you have any question in completing a ARINC 429 request form please contact José Godoy.

Please complete the ARINC 429 bit definition for Discrete, Binary, and BCD words.

**Label 150 (BNR)**

32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1						
P		SSM		Hours								Minutes								Seconds								SDI		Octal Label							
				23								59								59										0 5 1							
				1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1			0	0	000	101	10									

<u>Bit</u>	<u>Description</u>	<u>Notes</u>
1	Label 1 <sup>st</sup> digit	0
2	Label 1 <sup>st</sup> digit	1 1
3	Label 2 <sup>nd</sup> digit	1
4	Label 2 <sup>nd</sup> digit	0
5	Label 2 <sup>nd</sup> digit	5 1
6	Label 3 <sup>rd</sup> digit	0
7	Label 3 <sup>rd</sup> digit	0
8	Label 3 <sup>rd</sup> digit	0 0
9	SDI	
10	SDI	
11	Time Source	2
12	Time Seconds	1
13		2
14		4
15		8
16		16
17		32
18		1
19		2
20	Time Minutes	4
21		8
22		16
23		32
24	Time Hr	1
25		2
26		4
27		8
28		16
29		32
30	SSM	1
31	SSM	1
32	Parity	

**Notes:**

- [1] See Table 1
- [2] Bit 11 is set to “1” when GNSS time is being used. Otherwise, bit 11 is set to “0”.

BITS	Meaning
30 31	
0 0	Failure Warning
0 1	No Computed Data
1 0	Functional Test
1 1	Normal Operation

Table 1