

ARINC 429 6/5/2007

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:

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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 Daniel Martinec.

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 st digit	0
2	Label 1 st digit	1 1
3	Label 2 nd digit	1
4	Label 2 nd digit	0
5	Label 2 nd digit	5 1
6	Label 3 rd digit	0
7	Label 3 rd digit	0
8	Label 3 rd 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