

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:

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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: **MMR**
Equipment ID (Hex): **055** Proposed Already Assigned

Label (Octal) Requested: **271**
Label Type: BNR BCD DIS SAL
Parameter Name: **MMR Discrete Status Word**

Units: **N/A** Range (scale): **N/A**
Significant Bits: **N/A** Positive Sense: **N/A**
Min Trans Interval (msec): **250** Resolution: **N/A**
Max Trans Interval (msec): **500** 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 271: MMR Discrete (DISC)

NOTES

<u>BIT</u>	<u>FUNCTION</u>	<u>CODING</u>
1	Label 1st Digit	2 1
2	Label 1st Digit	0
3	Label 2nd Digit	7 1
4	Label 2nd Digit	1
5	Label 2nd Digit	1
6	Label 3rd Digit	1 0
7	Label 3rd Digit	0
8	Label 3rd Digit	1
9	SDI	
10	SDI	
11	Mode Status	0=Active, 1=Standby
12	ILS Mode (LSB)	[1]
13	ILS Mode (MSB)	[1]
14	MLS Mode (LSB)	[1]
15	MLS Mode (MSB)	[1]
16	GLS Mode (LSB)	[1]
17	GLS Mode (MSB)	[1]
18	GNSS Mode (LSB)	[4]
19	GNSS Mode (MSB)	[4]
20	Landing Ant Select	
	1=Select Landing Antenna	
21	Antenna Switch Position Ack	
	1= Landing Antenna Selected	
22	Data Broadcast Mode (LSB)	[1]
23	Data Broadcast Mode (MSB)	[1]
24	Rsvd. VOR Mode (LSB)	[1]
25	Rsvd. VOR Mode (MSB) [1]	
26	Selected Mode Status 2	0=Mode Failed, 1=Mode Active
27	Spare	
28	Spare	
29	Selected Data Broadcast Status	0=Mode Failed 1=Mode Active
30	SSM	[3]
31	SSM	[3]
32	Parity (Odd)	

NOTES

[1] Mode Status

BITS		Meaning
MSB	LSB	
0	0	Mode Not Installed
0	1	Mode Failed - Not Selected
1	0	Mode Available - Not Selected
1	1	Mode Selected [2]

[2] The Selected Mode Status applies only to the Landing Modes (bits 12 through 17).

[3] Sign Status Matrix (SSM)

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

[4]

BITS		Meaning
19	18	
0	0	GNSS Not Installed
0	1	GNSS Failed
1	0	GNSS Available
1	1	GNSS Not Used