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

Label (Octal)Requested: **271**
Label Type: ☐ BNR ☐ BCD **X** 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)

BIT	FUNCTION	CODING	NOTES
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 MSB	BITS LSB	Meaning
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 31	BITS 30	Meaning
0	0	Normal Operation
0	1	No Computed Data
1	0	Functional Test
1	1	Failure Warning

[4]

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