How to Locate Additional Information About a Beacon from the Type Approval Certificate (TAC) Number

Locate the TAC number on the USMCC message. It appears next to MANUFACTURER in the section entitled BEACON ID CONTAINS THE FOLLOWING ENCODED INFORMATION, as shown in this example from a SIT 171 message:



To see the complete SIT 171 message, scroll to the end of this document.

Go directly to the link for TACs on the C/S website at:

https://cospas-sarsat.int/en/beacons-pro/experts-beacon-information/approved-beacon-models-tacs

COSPAS-SAR	SAT. or Searc NG SER		escue	со	SPAS	SARS	AT		f	COSPA	Franç	ais	Русский ILAR ►
SYSTEM ~	,	BE/	ACONS	~	DOCUME	NTS	~ ME	ETINGS	•	сс	ONTAC	T LIST	s 🗸
Approv Filter: search	red B	Paco	n Mode	Is (TAC	Show instr CSV 🕀 ex ers - 🗸 🗸	uctions port selectio All Beac	n in a printable form on Types	Nat • Reset					
select all	Full report	C/S TAC No.	Beacon Mod	lel Name	Manufacturer		Beacon type			In Prod.	Last Rev. Date	lssue date	Details
	Report	001	Tron 30S		Jotron AS (form Jotron Electron	ner - ics A.S.)	FF / Non FF EPIRI	3		no	-	1989- 07-07	•
	Report	002	RT 160M		Nova Marine Sy Ltd. (not in busi Orolia Limited,U	/stems nes, see JK)	FF EPIRB		1	no	1994- 06-27	1989- 07-07	-

Or you can navigate to the Cospas-Sarsat Website starting at: <u>https://www.cospas-sarsat.int/en/:</u>



Click on **Cospas-Sarsat Professionals** in the upper right hand corner:



Click on the **Beacons** header, then scroll down to **Approved Beacon Models**:

BEACONS	DOCUMENTS tration Database	~ ME	EETINGS -	CONTACT LISTS
n Registration RD - International Beacon Regist RD User Information for Professi	tration Database			
In Information In Information Information Information Indook of Beacon Nodels (TACs) Indbook of Beacon Regulations at of Country/Region Codes (MID acon Carriage Requirements Intacts for Beacon Manufacturen Italied Beacon Types Italied Beacon Types	ionals mation)s) s and Accepted n (Legacy)		Comparison of the second secon	D LOGIN Site Do Not Require Logging In. es is Only for Professionals in th Sarsat Programme. acons by Individuals, Click Here LOG IN CO Sorms el Agreement Template acon Regulations egment Status and SAR
	ndbook of Beacon Regulations t of Country/Region Codes (MIE acon Carriage Requirements ntacts for Beacon Manufacturer st Facilities tailed Beacon Types st Facility Accepted Capabilities n Message Decode Program acon Message Decode Program acon Message Decode Program	ndbook of Beacon Regulations t of Country/Region Codes (MIDs) acon Carriage Requirements ntacts for Beacon Manufacturers and Accepted st Facilities tailed Beacon Types st Facility Accepted Capabilities n Message Decode Program acon Message Decode Program (Legacy) acon Message Decode Program 2021	ndbook of Beacon Regulations t of Country/Region Codes (MIDs) acon Carriage Requirements Intacts for Beacon Manufacturers and Accepted st Facilities tailed Beacon Types st Facility Accepted Capabilities n Message Decode Program acon Message Decode Program (Legacy) acon Message Decode Program 2021 Irres capability to decode second-penetationals Beacon IDs Inter text in acon Message Decode Program 2021	Indbook of Beacon Regulations t of Country/Region Codes (MIDs) acon Carriage Requirements Intacts for Beacon Manufacturers and Accepted st Facilities tailed Beacon Types st Facility Accepted Capabilities In Message Decode Program acon Message Decode Program (Legacy) acon Message Decode Program 2021 Inters expendition to decode second-permetation beacon Data for tyst in Inters and extrain marks beacon Data for tyst in Inters and the Internet beacon Data for tyst in Inters and the Internet of the Internet beacon Data for tyst in Inters and the Internet beacon Data for tyst in Internet of the Internet beacon Data for the Internet beacon Data for tyst in Internet of the Internet beacon Data for the In

SPAS-S	ARSAT	.INT ᅇ		6	SARS	AT					
DISTRESS AL	ISTEM FOR SEARC	CH AND RESCUE		COSPAS			ſ	COSF			
SYSTEM	~	BEACON	is 🗸	DOCUME	INTS	• MEET	1NGS ~	с	ONTAC	CT LIST	s
Арр	oroved B	eacon M	odels (TA	ACs)							
			-	Show inst	ructions						
			export selection	on as CSV 🛛 🖨 ex	cport selection	n in a printable format					
Filter:	search this tabl	e	All Manufa	acturers 🗸	All Beac	on Types 🗸 🗸	Reset				
sele	Full report	C/S Beaco TAC No.	n Model Name	Manufacturer		Beacon type		ln Prod.	Last Rev. Date	lssue date	
	Report	001 Tron 3	0S	Jotron AS (for Jotron Electror	mer - hics A.S.)	FF / Non FF EPIRB		no	-	1989- 07-07	
	Report	002 RT 16	M	Nova Marine S Ltd. (not in bus Orolia Limited,	iystems iines, see UK)	FF EPIRB		no	1994- 06-27	1989- 07-07	

The **Approved Beacon Models** table default is in order by TAC Number (third column from the left). Click on the "Show instructions" bar at the top of the page for more information about navigating the table. Generally, once on the **Approved Beacon Models** page, you can search the table by entering keywords in the Filter field, or searching (if known) for a specific manufacturer or beacon type using the pull-down menus next to the Filter field. The entire table or portions of it can be exported using the tabs underneath "Show instructions" at the top of the page.

				Show instructions
			Ľ	export selection as CSV
Iter:	search this tab	le		All Manufacturers V All Beacon Types V Reset
				All Manufacturers
sel(al	ect Full I report	C/S TAC No.	Beacon	ACK Technologies, Inc. ACR Electronics Inc. ADI Limited (not in business) AMS Limited (not in business) Air Precision
	Report	001	Tron 309	Ameri-King Corporation Artex Aircraft Supplies, Inc (not in business, see ACR Electronics) Astronics DME LLC (see Astronics Luminescent Systems Inc)
	Report	002	RT 160M	Astronics Luminescent Systems Inc Aviation and Marine (not in business) BAE Systems Australia Ltd.(not in business) Becker Avionics GmbH Becker Electronics Taiwan Ltd
	Report	002	RT 160M	Bitova Electronics raiwan Etc. Bitova Electronic Co. (not in business) Branch of Joint Stock Company «United Rocket and Space Corporation» - «Institute of Space Device Engineering» Breitling SA BriarTek Inc
	Dener	003	BOLL 05	CETC Ningho Maritime Electronics Research Institute Co. 1 td

Selecting "All Manufacturers" results in this pulldown list:

Ap	prov	ved B	eaco	on Mo	dels (TAC	Cs)			
						Show in	nstr	uctions	
				Ľ	export selection a	as CSV 🛛 🔒	ex	port selection in a printable format	
Filter:	searcl	n this table	e		All Manufactu	irers	~	All Beacon Types	
Se	elect all	Full report	C/S TAC No.	Beacon	Model Name	Manufactu	rer	All Beacon Types - ELT ELT (Auto Portable) ELT (Auto) ELT (Auto) / PLB ELT (Automatic Deployable)	In Proc
		Report	001	Tron 309	\$	Jotron AS (Jotron Elec	forr tron	ELT (Automatic Fixed) ELT (Man) ELT (Man) - Survival	no
		Report	002	RT 160M	1	Nova Marin Ltd. (not in Orolia Limit	he Sy busi ted, l	ELT (S) ELT(Auto)/ELT(Portable) ELT(Auto)/ELT(Portable)/ELT(Survival)/PLB ELT(Automatic Fixed) and ELT (Automatic Portable) ELT(DT) Designed to Withstand a Crash	no
		Report	002	RT 160M	1	Nova Marin Ltd. (not in Orolia Limit	he Sy busi ted, l	ELT(S) - PLB ELT(S) / PLB ELT(S) / PLB EPIRB FE (S-VDR)	no
		Report	003	BSU 85		ELTA SA (n - see See E	iot in ECA	EPIRB FF (VDR) FF / Non FF EPIRB	no

Selecting "Report" opens a PDF of the official TAC Report, as shown in the next two examples **TAC 112**:

sey inc.									
TAC Number	112	TAC Date	20-JUL-1999	TAC Rev. date	01-SEP-2003				
Beacon Model Name	C406-1								
Additionnal Names	C406-1HM								
Manufacturer		Artex Aircraft	Supplies, Inc (see A	CR Electronics					
Tx Frequencies	406.025 MHz								
In Production	not in production Class 2								
Туре	ELT (Auto) Tested Life (hours)								
Battery	Blue Star (LM-345	5/LM-3355, 4D), Ultr	alife (U3360H, 4D)						
	Battery Legend: Ba	attery cell manufacture	r, Cell chemistry, C	ell model, No. of cells,	Cell size.				
Protocols tested		U - User, SL - Star	dard Location, NL -	National Location.					
Self Test	yes	Self Test RF	yes	Self Test RF (Short/Long)	long				
Self Test Format Flag	k	ong	1	yes					
Homer Freq		121.5/243 MHz		Homer Duty Cycle	Continuous				
Homer Power	100)mW							
Strobe Light	no	Strobe Brightness	N/A	Strobe Duty Cycle	N/A				
Nav Device	Ext	Nav Device Model	Unknown						
Separable Antenna	yes	Antenna Model	Artex 110-338 rod, A le, Artex 110-343 whip	rtex 110-340 blade,					
Additionnal functions	None								
General comments	Single (121/243/40 0500-1/B, ben S/N by EWOS 0500-1/I June 07) NOTE FO matters please cont	6) RF output. Homer 01933 and higher (CN B-1 (19 Aug 03); appr OR CUSTOMERS: Fo act ACR Electronics,	1 s pause at 406 burs IF 5 Feb 02, accept. oved with upgraded r technical support, 1 Inc - USA	t. Osc. EWOS 0500-1 18 Feb 02). Osc. EWO software version 510-0 pattery replacement an	repl. by EWOS S 0500-1/B repl. D134 - Rev. 'A' (14 d customer support				
TAC rev history	(1) 20/07/99; (2) 27 of Ultralife U33601 18/02/02: osc. repl. 22-Jan-07: extensio 'A'.	7/06/00; (3) 20/08/01; H; (7) 17/01/02: chg n ; (9) 19/08/03: osc. re on TAC 170 issued; (1	(4) 9/09/01; (5) 10/1 omenclature of Blue pl., trnsm mod.;(10) 2) 14-Jun-07: softwa	2/01: add. of G406-4; Star cells - LM-3455 1/09/03: chg nomencla are upgrade to version	(6) 31/12/01: add. to LM-3355; (8) at. of ant; (11) 510-0134 - Rev.				

TAC 361:

TAC Number	361	TAC Date	12-AUG-2022	TAC Rev. date	01-JAN-2023				
Beacon Model Name	KANNAD ULTIM	A-DT-05							
Additional Names									
Manufacturer			Orolia S.A.S.						
Tx Frequencies			406.031 MHz						
In Production		in production		Class	1				
Туре	ELT(DT)	- Designed to Withsta	nd a Crash	Tested Life (hours)	24				
Battery	SAFT LM 17500, Lithium Manganese Dioxide, 8 x A size cells, 2 parallel of 4 in series								
	Battery Legend: Ba	attery cell manufacture	er, Cell chemistry, C	ell model, No. of cells,	Cell size.				
Protocols tested		D	T - ELT(DT) Locati	on					
Self Test	yes	Self Test RF	yes	Self Test RF (Short/Long)	long				
Self Test Format Flag	Corresponds t	to nominal flag	1	Self Test Consistent yes with 15 Hex ID					
Homer Freq		121.5 MHz		Homer Duty Cycle	37%				
Homer Power	80	mW							
Strobe Light	no	Strobe Brightness	n/a	Strobe Duty Cycle	n/a				
Nav Device	Internal / External	Nav Device Model	UBLOX NEO-M81	N					
E	ncoded Position D	ata Update Interval	Other – Continuous then 15 minutes	s until 30 minutes after o	crash detection,				
Separable Antenna	no	Antenna Model	DAYTON GRANC	GER ELT10-903					
Additional	Beacon activation: manual via switch on remote control panel or on the beacon, and automatic via								
functions	external trigger reco data-stream labels, required for operati application of 28 vo	eived through ARINC or internal crash sense ion; Automated status olt aircraft power.	bus (label 202), loss or; Programming via check (Equipment B	s of aircraft power, loss Aircraft Information M suilt In Test, EBIT) exec	of ARINC-bus odule (AIM) cuted on				
General comments	pplication of 28 volt aircraft power. Approved for encoding with variants of ELT(DT) Location Protocol for ELT: ELT with Serial Number, ELT with Aircraft Operator Designator and Serial Number, ELT with Aircraft 24-bit Address, ELT with Serial Number and rotating 3LD in PDF-2, ELT with Aircraft 24-bit Address and otating 3LD in PDF-2. NOTE for CUSTOMERS: For technical support, battery replacement and								

/74542 00000/3660/15 049 1315 /171/366G **** 406 BEACON INITIAL LOCATED ALERT **** BEACON ID: 46683 82668 FFBFF SITE ID: 75102 PROB EE SOL LATITUDE LONGITUDE DETECT TIME SAT NUM SOURCE SRR /BUFFER/BUFF 2 61 N/A A 01 22.2N 103 59.9E 18 130234 FEB S13 008 VNMCC SIMCC 39 N/A B 08 29.5N 135 58.9E 18 130234 FEB S13 008 VNMCC MARSEC DETECTION FREQUENCY: 406.0343 MHZ **** BEACON ID CONTAINS THE FOLLOWING ENCODED INFORMATION **** COUNTRY : SINGAPORE BEACON TYPE: ELT SERIAL (STANDARD) COUNTRY CODE: 563 CRAFT ID : SPECIFIC BEACON: MANUFACTURER: TAC 112 MODEL : SERIAL NUM : 4916 HOMING : 121.5 POSITION DEVICE: EXTERNAL POSITION RESOLUTION: NONE **** BEACON REGISTRATION DATABASE INFORMATION **** REGISTRATION INFORMATION AT MCC SINGAPORE AFTN: WSSSZSZX PHONE: (65) 65425024 FAX: (65) 65422548 EMAIL: CAAS RCC(AT)CAAS.GOV.SG WEB: WWW.406REGISTRATION.COM **** SUPPORTING INFORMATION **** USMCC PROCESSING TIME: 18 1315 FEB THIS ALERT MESSAGE IS BEING SENT TO: MARSEC, SIMCC ALERT MESSAGES FOR THIS SIGNAL PREVIOUSLY SENT TO: SIMCC PREVIOUS MESSAGE INFORMATION: PROB EE SOL LATITUDE LONGITUDE DETECT TIME SAT NUM SOURCE SRR /BUFFER/BUFF 2 N/A N/A U N/A 18 125944 FEB S11 001 GU1 SIMCC QQQQ /LASSIT /ENDMSG