

Thanakom Panyothin

From: McConnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Monday, September 24, 2018 9:51 AM
To: hums
Cc: Thanakom Panyothin; Nattawut Wongyai; Grant Robinson; Nakhon Avionics
Subject: HUMS parameters with unintuitive names and/or no unit of measurement
Attachments: C0103035 Customer Letter.pdf

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Per your request please find attached the CSE response to your request for clarification regarding HUMS parameter names and units of measurement.

Case Number: C0103035
Customer: Thai Aviation Services Limited
Aircraft S/N: 761000 / 920000
Aircraft Model: S-76D / S-92A
ATA: 31
Case Subject: Request For HUMS Parametric Data Name Clarification

Issue Description:

Reference the attached screen shot of HUMS SGBA parametric data viewer Parameters list (S-76D shown, but S-92 is similar).

TAS HUMS department notes that many parameters in the S-76D/S-92 SGBA parametric data viewer have unintuitive names, making it difficult to decipher what they represent.

To add to the ambiguity, a number of parameters have scales that lack a Unit of Measure, which also makes interpretation difficult.

TAS requests a list of all S-76D/S-92 parameter names in plain English, as well as Units of Measure for those parameters that do not display defined units. EoM

This email notification is provided as the case has been reviewed and does not contain technical data in the issue description.

Problem Resolution:

Sikorsky HUMS Engineering states the following,

In regards to S-76D/S-92 parameter names, the HUMS User's Guides historically have listed the Parameters recorded by HUMS and the systems that supply the data. Sikorsky HUMS will provide an update to those lists to Technical Publications for inclusion into the Aircraft Maintenance Manuals / HUMS User's Guides.

In the meantime, if the customer sees any parameters that they need to review for any technical issues or other matters and those do not have units, please let us know and we could supply it. See attachment below.

Please note that almost all parameters are from different avionics boxes (ADC, AVC, etc.) and the ones without units are mostly frequency signal or bit data.

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