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# Call for Collaboration

## OSSAT Platform Bus Downselection

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CFC-0021  
VERSION 01  
RELEASED



Reference: KS-DOC-01258-01

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Author: Open Source Satellite

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## 1 Document History

Please see the following record of revisions:

Document Revision	Document Status	Change Description
01	RELEASED	New Document

## 2 Applicable Documents

The following references are applicable to this document.

Document Reference	Document Title	Date	Reference in this Document
KS-DOC-01076-01	<a href="#">Open Source Satellite Programme Manifesto</a>	-	-

## 3 References

The following references are applicable to this document.

Document Reference	Document Title	Date	Reference in this Document
-	-	-	-



## 4 Work Package Description

WORK PACKAGE DESCRIPTION			
Project :	OSSAT		
WP Title:	Platform On Board bus selection		
Supplier:	Open Source Collaborators	Country:	UK
WP Manager:	Paul Madle		
Start Event:	TBD	and/or Planned Start Date:	TBD
End Event:	TBD	and/or Planned End Date:	TBD
<b>Objectives:</b> To evaluate bus technologies that fit the requirements of the OSSAT platform and shortlist down to 2 to take forward to a prototype phase			
<b>Task Description:</b> The KISPE OSSAT team will create evaluation criteria for the platform bus technology including factors such as: Licensing, power consumption per node, topology, redundancy, data rate, maximum packet payload size, maximum throughput, ease of adding nodes (termination), popularity, availability of parts, noise immunity, longevity. The collaborator will need to research available technologies to evaluate the top two solutions to be taken forward to a prototyping phase.			
<b>Inputs:</b> Evaluation criteria			
<b>Interfaces/links with other tasks or WPs:</b> None		<b>Applicable requirements, standards, regulations, constraints:</b> The evaluation criteria to be written by KISPE	
<b>Outputs:</b> OP1: Completed evaluation datasheet OP2: Presentation justifying top 2 and presenting key findings.			
<b>Indicative Effort:</b> 3 weeks maximum			

## 5 Interested? Want to find out more?

Register your interest at [www.opensourcesatellite.org/register/](http://www.opensourcesatellite.org/register/), putting “CFC-0021” in the “Other” free text box in the registration form.

Thank you!





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