**LabVIEW Tools Network - New Product Information**

All information requested in this document is **REQUIRED** to create your online product listing in the LabVIEW Tools Network. The only exception is any asset not developed yet such as videos, demos, case studies, etc. This information will also be utilized to create internal NI marketing and sales enablement documentation.

**CONTACT INFORMATION**

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| --- | --- |
| **Company Name:** | Viewpoint Systems |
| **Marketing Contact:** | David Philipson |
| **Marketing Contact Email:** | dep@viewpointusa.com |
| **Marketing Contact Phone:** | 585 475 9559 ext 121 |

**PRODUCT INFORMATION***Information gathered in this section will be used for the online product listing.* [*See an example*](https://docs.google.com/file/d/0BzJAIYw2rcyRZlYtNzR6LWZSclE/edit)*.*

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| **Product Name**: *Refer to the* [*NI Trademark and Brand Guidelines*](http://www.ni.com/legal/trademarks/)  *(Ex.* [*RF Studio for the USRP*](http://sine.ni.com/nips/cds/view/p/nid/211870)*)* | AIT MIL-STD 1553 VeriStand 2013 Add-On |
| **Product Subheading (Brief Product Description):** *(Ex. Full-Featured RF Record and Playback Tool Suite -* [*see an example*](http://sine.ni.com/nips/cds/view/p/nid/211870)*)* | The AIT MIL-STD 1553 Add-On allows users to use the AIT MIL-STD 1553 devices in the NI VeriStand environment. |
| **Please enter the Product Offering Type:**  **Free -** Product is offered at no cost  **Reference -** Contacts are referred to the provider to purchase the product  **Sold Through NI –** The product is sold through the NI sales channel | Sold Through NI |
| **What are the main benefits and features of the product? These will be used as bullet points on your product model page. Please use a mixture of both benefits and features.** *(*[*Review this document*](http://marketingforrealresults.com/articles/the-psychological-reason-behind-features-vs-benefits/) *for guidance on the difference between “features” and “benefits”.)*  **Ex.** *A* ***feature*** *is a descriptive phrase about your product or service. “We have the best materials”. A* ***benefit*** *explains what the feature gives them. “Lasts longer, so it saves you money”.* | (90 character limit per bullet; Please prioritize and list only 6)  1. Support for Bus Controller (BC), Bus Monitor (BM), and Remote Terminals (RT)  2. Configure your messages using AIT’s Flight Simulyzer application and read that configuration into VeriStand to setup your bus.  3. Quickly configure VeriStand parameters by setting   * Byte * Start Bit * Number of Bits * Signed/Unsigned * Scale Factor * Offset   4. Export configured VeriStand parameters to an external file so they can be retained and used in other Veristand projects without re-entering them.  5. Support for the following…   * One Major Frame * Acyclic Frames * Multiple Bus usage (One Simulyzer File/Bus)   6. Configurable Rx/Tx rates |
| **What customer challenge does this product help address or solve?** | Allow one to use AIT MIL-STD 1553 hardware in VeriStand 2013 |
| **What are your suggested external keywords for this product?** *(*[*Think Google searches*](https://support.google.com/adwords/answer/2453981?hl=en) *- learn more)* | * MIL-STD 1553 * AIT MIL-STD 1553 * VeriStand * Add-On * Custom Device |
| **Please categorize the product into one of the following (copy and paste to the right):**   * UI Controls * Architectures * Software Engineering Tools * Code Libraries (VIs) * Other | *Other* |
| **What Operating Systems does the product support?**   * **Windows** * **Mac OS** * **Linux** * **Compatible with Real-Time** | *Real-Time & Windows* |
| **What versions of LabVIEW does the product support?**   * **LabVIEW 8.5** * **LabVIEW 8.6** * **LabVIEW 2009** * **LabVIEW 2010** * **LabVIEW 2011** * **LabVIEW 2012** * **LabVIEW 2013** | *VeriStand 2013* |
| **From this list of applications, select which ones your product supports (copy and paste to the right):**   * Development Tools & Validation * Analysis, Processing, and Generation * Integrating with Hardware * Integrating with Third Party Software * Control & Simulation * Robotics * Data Management, Logging, and Reporting * Distribution * Image Processing * Data-loggers | Development Tools & Validation  Integrating with Hardware |
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**PRODUCT DESCRIPTION/MESSAGING**

**Product Overview:**

*In the space below, please provide a 250-300 word overview of the product. This will be used on the Overview tab of your product model page.*

The AIT MIL-STD 1553 Add-On allows users to use the AIT MIL-STD 1553 devices in the NI VeriStand environment. The Add-On imports an AIT Flight Simulyzer configuration file into VeriStand and allows one to define parameters against the messages defined in the simulyzer file, within the Veristand environment. These parameters can be exported and further re-imported into other VeriStand instances, so all of the work of configuring these parameters is not locked into VeriStand.

This Add-On is an in-line custom device that launches five parallel loops per bus (for TX and RX on each sub-section: BC, BM, RT) and communicate to/from them with RT FIFOs. The in-line portion going at the NIVS rate does no hardware driver calls; it just reads and writes the RT FIFOs. At initialization the custom device uses the Minor Frame rate of the BC and sets the loop rates for BC, BM, and RT to twice that speed. Data read from the hardware is passed back to the inline driver through the RT FIFOs and similarly, data for output is passed to the asynchronous loops through RT FIFOs. Two buffers (In and Out) are used to manage the data coming from/going to the FIFOs.

**Product Abstracts:**

*From your overview above, please condense the main points to a 25, 50, 100 abstract for use on the model page and in other marketing materials.*

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| 100 Word Abstract | The AIT MIL-STD 1553 VeriStand 2013 Add-On allows one to use AIT’s MIL-STD 1553 hardware inside of VeriStand 2013.The Add-On imports an AIT Flight Simulyzer configuration file into VeriStand and allows one to build parameters against the defined messages inside VeriStand. These parameters can be exported and further re-imported into other VeriStand projects, so all of the work expended configuring these parameters is not locked into VeriStand. Support for Bus Controller, Bus Monitor, and Remote Terminals. |
| 50 Word Abstract | The AIT MIL-STD 1553 VeriStand 2013 Add-On allows one to use AIT’s MIL-STD 1553 hardware inside of VeriStand 2013.The Add-On imports an AIT Flight Simulyzer configuration file into VeriStand and allows one to build parameters against the defined messages inside VeriStand. |
| 25 Word Abstract | The AIT MIL-STD 1553 VeriStand 2013 Add-On allows one to use AIT’s MIL-STD 1553 hardware inside of VeriStand 2013. |

**IMAGE REQUIREMENTS**

List the names of your files below and upload them to the Basecamp Project. **Refer to the** [**LabVIEW Tools Network Image Style Guide**](https://decibel.ni.com/content/docs/DOC-24061) **for specific image and screenshot guidelines**. These images will be utilized in multiple vehicles such as web, email, presentations, and print.

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| Screenshots |  |
| Product Icon | No Icon – This is an Add-On |
| Product Images |  |
|  |  |

**SUPPORT INFORMATION**

**Support Contact:**

*For customer support, please provide the contact information for your company.*

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| --- | --- |
| Provider Support Phone # | 585-475-9555 |
| Provider Support Website | http://www.viewpointusa.com/contact/ |
| Provider Support Email | productsupport@viewpointusa.com |

**Technical Documentation/Related Materials:**

*Please list the urls for current help documents, videos, technical papers, demos, etc., or attach to this Basecamp Project task. This information will be utilized in the Resources Tab on the product model page. Only 8 resources can be referenced so please prioritize.*

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| Help Docs/Technical Papers | AIT MIL-STD 1553 VeriStand 2013 Add-On Readme.rtf – attached in basecamp. Getting started/Install Guide, also included in installer |
| Videos |  |
| Demos |  |
| Podcasts |  |
| Product Page |  |
| Other |  |