DCS Configuration Tool Use

General Atomics

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**Tool Description**

*This tool is used to configure the DCS machine as needed. The tool will take care of configuring any of the three local area networks. The associated networks are the Health Map LAN, AGS LAN 1, and AGS LAN 2. These LANs can be enabled/disabled as needed. The tool can configure or test all the IP addresses associated with each LAN. There are three variations of how each network can be set. The full configuration allows all of the original IP address to be associated with the machine. The JCTS or non-JCTS configuration allows the IP addresses to be associated with the machine.*

*Each simulator associated with the DCS machine can be started or stopped from this configuration tool. Each simulator can be updated to the newest version of the application as long as a USB thumb drive with the required files and folders are accessible. Each button that is within this tool is connected to a list box that will describe every action being performed. The text in the list box can be saved to a log file or the box can be cleared.*

**LAN Configuration**

This group is used to enable a LAN if the specific check box of the LAN is checked.

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*LAN Configuration Group*

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| ***HMS LAN*** | ***AGS LAN 1*** | ***AGS LAN 2*** | ***SET LAN Button*** |
| *Checking this box will enable the Health map LAN. Keeping this blank and clicking the 'SET LAN' button will disable it* | *Checking this box will enable the AGS 1 LAN. Keeping this blank and clicking the 'SET LAN' button will disable it* | *Checking this box will enable the AGS 2 LAN. Keeping this blank and clicking the 'SET LAN' button will disable it* | *This button will enable/disable LANs when pressed* |

***IP Configuration***

*This group is used to test or configure a full, JCTS, or NON-JCTS IP Network.*

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*IP Configuration Group*

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| ***FULL IP NETWORK*** | ***JCTS IP NETWORK*** | ***NON-JCTS IP NETWORK*** | ***SET IP NETWORK*** | ***TEST IP*** |
| *Test the connection or configure the IP address associated with HMAP, AGS 1, AGS 2, and ADMACS for a FULL DCS machine* | *Test the connection or configure the IP addresses associated with HMAP, AGS 1, AGS 2, and ADMACS for a JCTS DCS machine* | *Test the connection or configure the IP addresses associated with HMAP, AGS 1, AGS 2, and ADMACS for a NON-JCTS DCS machine* | *Used to test the connection of the IP network marked in the radial button section of this group* | *Used to configure the connection of the IP network marked in the radial button section of this group* |

***Simulator Configuration***

*This group is used to start/stop the specified simulator.*

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*Simulator Configuration Group*

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| ***Check Boxes*** | ***START Button*** | ***STOP Button*** |
| *If a check box has been marked then the specified application can be either started or stopped. If a check box has not been mark nothing will be accessed for that application. The 'SELECT ALL' box will select or deselect all other check boxes* | *This button will start will start each simulator that has been selected in the check box selection area* | *This button will stop will start each simulator that has been selected in the check box selection area* |

***Update Simulators***

*This group is used to update the simulators with the version of simulators located on the users thumb drives.*

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*Update Simulator Group*

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| ***UPDATE Button*** |
| *This button is used to remove all old application folder backups, create new backup folders of the current applications, find the directory called '4WS' on the users thumb drive, copy all the new application directories to the right location, move all old AEC directories to the new backup DCS directory, move all new AEC directories from new DCS directory to proper location, copy current ASF file to the AEC directories, delete current shortcuts, and create new shortcuts.*  *The only folders allowed in the ‘4WS’ directory are the unzipped versions of the simulators. Remove all zipped folders from this directory. Also move the .tar.bz2 files that are associated with the DIU/PCS to the root of the drive out of the ‘4WS’ directory.*  *In addition to changes made, the ISM application is no longer part of this setup. Because of this before starting an update the ISM application folder should be moved out of the ‘4WS’ directory to the root of the drive and installed manually. Also remove the ISM directory located in the General Atomics Directory or it may cause issues as well.* |

***Wire Configuration***

*This group is used to enable/disable the wires associated with AEC and BSC.*

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*Wire Configuration group*

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| ***WIRES 1-4 Check Boxes*** | ***Enable Button*** |
| *If a boxed is checked for a wire that will signal to enable that particular wire when the enable button is pressed. If a wire box has not been checked then the unchecked wire will be disabled when pressed.* | *The enable button activates the current setup of checked/unchecked wire check boxes.* |

***Log***

*This group is used to save a log file to the General Atomics directory and to clear the list box on the tool.*

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*Log Group*

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| ***SAVE FILE Button*** | ***CLEAR Button*** |
| *This button will save everything recorded in the list box to a long file in the General Atomics directory* | *This button will clear all text from the list box.* |