

# VIRTEC Foundation Release Notes

Version 2.3.1

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## Changelog

### v2.3.1

- Bug #4374: NameTable\_NameMaskToNameTableIndex() implementation was accidentally removed.

### v2.3

- Feature #4320: Universal PGN Handler
- Feature #3712: API for inserting limited length strings into pipes/queues
- Feature #2775: Added MAKE\_Language\_T() macro
- Bug #4143: NameTable gets same mutex twice when handling Request for Address Claim
- Bug #4099: ISOBUS\_Name\_GetIdentityNumber() macro may truncate the identity number to 8-bits
- Bug #3723: Not responding to Address Claim Request while Waiting for Contention
- Bug #3716: Cannot initiate new Transport session with same node in Transport callback
- Bug #3707: VIRTEC doesn't correctly handle Request for Address Claim from unclaimed addresses
- Bug #3367: Queue handling call usage causing compiler warnings
- Bug #3366: MAKE\_Network\_PacketHandler\_T() not initializing all struct members
- Bug #2725: Removed requirement for Destination to be populated for PDU2 PGNs
- Bug #2604: Use of uninitialized value when populating NameTable
- Bug #2596: PGN parsing only works for DataPage 0 (fix supports other DataPages)

### v2.2

- Feature #2514: Add Search for NAME with mask
- Bug #2540: Transport underflow
- Bug #2311: Full Fix for Address Claim Race Condition
- Bug #2151: Address Claim not contending correctly
- Bug #1606: Default filter in Foundation\_PacketHandler\_Node\_S not applied when NULL
- Bug #956: NAMES are not removed from the NAME table when they fail to address claim after a Request for Address Claim.
- Bug #964: CAST macro used in Foundation.h file (not allowed)

## v2.1

- Support for VTClient v2.1
- Bug #792: Resolved compiler warnings

## v2.0

- ISOBUS\_PGN\_T now contains both the Data Page and PGN.
- Added API for sending Acknowledge messages without a received Request PGN.
- API cleaned up by removing many externs that are no longer necessary
- Bug: Renamed the round() and ceiling() macros to Utility\_Round() and Utility\_Ceiling() to avoid name/parameter conflicts with Math.h

## Download Foundation v2.3.1

You can download a copy of the latest Foundation library by pointing your SVN client to your customer repository:

[https://subversion.distek.com/svn/CustomerXYZ/DISTek/ISOBUS/Foundation/Foundation\\_v2.3.1](https://subversion.distek.com/svn/CustomerXYZ/DISTek/ISOBUS/Foundation/Foundation_v2.3.1)

*(where CustomerXYZ is your customer repository; "XYZ" is your customer number.)*

## Upgrading from Foundation v2.2

Once downloaded, you will need to replace the following files:

- Foundation.c
- Foundation.h
- Foundation\_cobf.h

The new EVERY\_PGN macro can be used to register a global packet handler or message handler. Note, no more than one global message handler should be registered as only one will be called.

## Known Issues

None.

## More Information

### Reporting Bugs

Your comments, bug reports, and suggestions will help fix bugs and improve the quality of future releases. Please report bugs and/or provide feedback to us at [virtecsUPPORT@distek.com](mailto:virtecsUPPORT@distek.com)

## Support

If you require support with VIRTEC, please contact us at [virtecsupport@distek.com](mailto:virtecsupport@distek.com)