

DATA EXPORT INTERFACE PROGRAMMING GUIDE

IntelliVue Patient Monitor & Avalon Fetal Monitor

X2, MP Series, MX Series, FM Series

Patient Monitoring

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About this Guide

This Programming Guide is for use with the Philips IntelliVue X2, MP Series and MX Series patient monitors and the Avalon FM Series fetal monitors, hereafter referred to as the monitor. It describes the functionality in the IntelliVue monitor software version ≤L.xx.xx and the Avalon monitor software version >=J.3.

The information in this Programming Guide describes the capability of the Data Export Interface. It is the responsibility of the user to create applications using the capability provided.

The IntelliVue and Avalon monitors are not intended for home use.

In this guide

- A warning alerts you to a potential serious outcome, adverse event or safety hazard. Failure to observe a warning may result in death or serious injury to the user or patient.
- A caution alerts you where special care is necessary for the safe and effective use of the product.
 Failure to observe a caution may result in minor or moderate personal injury or damage to the product or other property, and possibly in a remote risk of more serious injury.

Who Should Use this Guide?

This programming guide is intended to be used by software professionals and biomedical engineers at medical research clinics or industrial institutions.

To successfully create an application, users should have a good working knowledge of:

- Advanced software application design.
- C and/or C++ Programming Language.
- General digital communications theory.
- Local Area Network configuration guidelines.and communication protocols.
- RS232 communication protocols and the IrDA protocol.

Given this background knowledge, this Programming Guide provides the information necessary to create your own applications.

Philips cannot provide any technical assistance for individual programming efforts.

About the Data Export Interface

This document describes the Data Export Interface. Using a communication interface protocol, data from the Philips IntelliVue Patient Monitor or Avalon Fetal Monitor can be transferred via the Local Area Network (LAN) Interface or Medical Information Bus (MIB/RS232) Interface to an external Computer.

By creating basic applications using the Data Export Interface, the following data can be accessed from the monitor:

- All measurement numerics (excluding second level numerics such as those obtained in the Calculations windows (Hemodynamic Calculations, Oxy Calculations, Ventilation Calculations) or those exclusively shown in the VueLink/IntelliBridge device data windows).
- Alarm data (real-time update rates up to 1024 ms).
- Wave data (see "Interpreting Wave Data" on page 322 for details)
- Monitor system data.
- Patient demographic data entered by the user in the monitor.

The Data Export Interface of IntelliVue patient monitors cannot be accessed via the Local Area Network when the monitor is connected to the Philips LAN, e.g. to an Information Center (central station). Communication via the MIB/RS232 Interface is always possible (except with MP2/X2).

CAUTION

- Although alarm data can be accessed using the protocol, it must not be used as a real-time alarming system due to the delays in message transfer and the possibility of data loss.
- The computer client (the interfacing system) and/or the user of the communication system must comply with applicable data privacy regulations.

Data Export Interface Features

- The Data Export Interface uses the Local Area Network (LAN) and MIB/RS232 interfaces.
- The LAN interface uses the standard UDP/IP transport protocol.
- The MIB/RS232 interface can be configured to use either a fixed or a variable baudrate protocol.
- The Data Export Protocol is a connection-oriented, message-based request/ response protocol on top of the transport protocol. The UDP and fixed baudrate transport protocols are connection-less, whereas the variable baudrate protocol is connection-oriented.
- The LAN interface supports automatic configuration of the network IP address with the standard BootP protocol or DHCP.

Note About Changes in Rev. G.0

IntelliVue Rev. G.0 and higher differs from Rev F.0 and lower in the nomenclature of some numeric and wave labels. The labels that previously resided in the namespace NOM_EMFC are now merged into the NOM SCADA namespace and the new defined NOM SETTING namespace.

For details on identifying the software revision of the client interface protocol, please refer to "Building a Computer Client" on page 315

Manufacturer's Information

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Philips Medizin Systeme Boeblingen Gmbh Hewlett-Packard-Str. 2 71034 Böblingen Germany

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Trademark Information

INFRARED DATA ASSOCIATION (IrDA) is a trademark of the Infrared Data Association in the USA and other countries.

1 About this Guide Trademark Information

Connecting to the Network

The Philips IntelliVue and Avalon Series monitors use a standard IEEE802.3 Local Area Network interface for the Data Export Capability.

The Data Export Interface via LAN is not available when an IntelliVue monitor is connected to the Philips LAN (e.g. to the Philips Information Center central station). Only devices approved for use with the Philips network may be connected to the Philips LAN.

Connecting to the Network via a LAN Interface

The monitor connects to the network using a standard unshielded LAN cable with an RJ45 connector. The network cable must be plugged into the orange-framed LAN connector of the IntelliVue monitor or the LAN port of the System Interface of the Avalon Fetal/Maternal monitor. Note that for IntelliVue MP2/X2 the LAN connector is located on the external power supply.



WARNING

In order to maintain the galvanic isolation of the monitor, it is essential that UTP (Unshielded Twisted Pair) LAN cables must be used to connect the monitor to other devices.

The following LAN cables supplied by Philips can be used to connect the monitor:

- M3199AI #J10 3ft (0.91m), Part No. M3199-60103 (12NC: 453563337391)
- M3199AI #J11 7ft (2.1m), Part No. M3199-60104 (12NC: 453563337401)
- M3199AI #J12 12ft (3.6m), Part No. M3199-60105 (12NC: 453563337411)

The maximum cable length between the monitor and the Computer Client should never exceed 330ft (100m) in total.

Connection via Hub/Switch

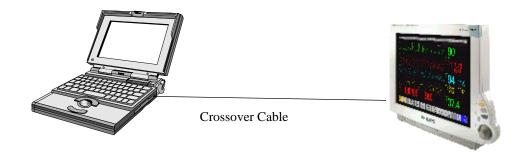
The monitor and the Computer Client are connected to a standard Ethernet switch or hub using UTP LAN cables.



NOTE In order to avoid high latency and data loss and to ensure data privacy, a dedicated network that is exclusively used for patient data collection by monitor devices and Computer Clients must be used.

Connection with Cross-over Cable

You can connect the monitor directly to the Computer Client, without a network hub or network switch, by using a UTP network crossover cable. In this case, the connection is a point-to-point connection only (one monitor connects to one Computer Client).



The following cross-over LAN cables supplied by Philips can be used to connect the monitor:

- M3199-60101 (453563337371) 3Ft UTP Crossover cbl Orange, 0,9m
- M3199-60102 (453563337381) 12Ft UTP Crossover cbl Orange, 3,6m

Avoiding Current Leakage

You must use Unshielded Twisted Pair (UTP) LAN cables to connect the monitor to other devices.

The Computer Client and network infrastructure devices typically are not classified as medical devices and must be located outside the patient vicinity. The patient vicinity is defined as an area within 6ft (1.85m) of the perimeter of the patient's bed or within 7.5ft (2.3m) of the floor.

- If the Computer Client is installed in the patient vicinity and connected to the monitoring device, it must be correctly isolated from the mains power supply by an isolation transformer.
- If the Computer Client is installed in the patient vicinity and a network switch or hub is used to
 connect it to a monitoring device, it must be correctly isolated from the mains power supply by an
 isolation transformer.

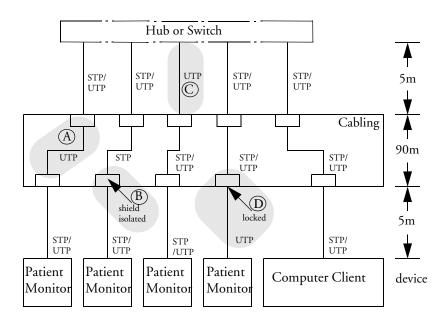
WARNING

All external devices in the patient vincinity must comply with IEC 60601-1:1988/A1:1991A2:1995 or EN 60601-1:1990/A1:1993/A2:1995. This applies also to all signal connections, entering the patient vincinity. Additional safety equipment, e.g. isolation transformers might be used.

The installation procedures e.g. for electrical connections as documented in the Instructions for Use must be strictly followed.

Using the Monitor with an Installed, Wired Network

The following diagram shows an overview of a possible LAN installation which provides galvanic isolation of the monitor:



If required by regulations valid in your hospital, the installation must comply to EN60601-1-1:1993/A1:1996 or IEC 60601-1-1:1992/A1:1995.

The maximum cable length between the monitor and the Computer Client should never exceed 330ft (100m) in total.

Note regarding MP2 and X2:

The MP2 and X2 allow Data Export via the LAN interface only because they do not have an RS232 port. The LAN interface is only available if the MP2 or X2 is used in combination with the M8023A External Power Supply. If the X2 is connected to a host monitor, the data export can be performed via the host monitor.

IntelliVue Rev. G.0 or higher allows the combination of a LAN interface and one MIB/RS232 port for Data Export. Only one connection is able to request wave data at a time, the other connection responds with a notification that wave polling is not possible. The first connection to request a successful wave poll receives the wave data.

WARNING

In order to maintain the galvanic isolation of the monitor, it is essential that the shield is not connected from the monitor through to the hub or switch. At least one of the following precautions must be taken:

- UTP (Unshielded Twisted Pair) LAN cables are used in the wall.
- If STP (Shielded Twisted Pair) LAN cables are used in the wall, do not connect the shield of the cable from the IntelliVue monitor to the wall socket. Ensure that the shield of the STP cable in the wall is isolated from the other contacts. For a reference voltage of 250V, a clearance of at least 2.5 mm and a creepage distance of at least 4.0 mm is required. Cutting the shield back and covering it with a nonconducting shroud will fulfill this requirement.
- Ensure that only UTP cables are used in the wiring closet for connections to the hub or switch.
- Use only UTP cables such as M3199AI #J10/J11/J12 to connect the monitor to the wall socket. To avoid these cables being replaced by non-UTP cables, the connector which goes into the wall socket must be modified so that it cannot be removed without using tools. This can be done by cutting off the part of the plug lock which normally extends beyond the socket.

Configuring the LAN Interface

Configuring the Network Address

No explicit configuration of the network addresses (IP addresses etc.) is required. The monitor uses the standard BootP or DHCP protocol to acquire an IP address and subnet mask from a BootP/DHCP server in the network.

Without a working BootP/DHCP server in the network, the monitor will show a technical alarm (INOP) "Unsupported LAN", indicating that no (valid) IP address has been received.

- For IntelliVue Software Revision E and later it is possible to manually enter the IP address used by the patient monitor by entering service mode and accessing the bed information window from the main setup menu.
 - With IntelliVue Software Revision H and later, use of the DHCP protocol is also supported. This requires configuration of the network interface. See the IntelliVue Configuration Guide for details.

Configuring the LAN Data Export Setting

The data that can be exported via the LAN interface is configurable. You can choose between the following options: all, anonymous data, off. In case of anonymous data the patient name and given name are not included in the data stream.

To change the CentralMon configuration switch, first switch to configuration mode

To configure the LAN Data Export Setting, in Configuration Mode,

Select Main Setup to enter the Main Setup menu.

Select Global Settings

Select **LAN Data Export** and toggle the appropriate setting.

Configuring the Network Setting

Monitors

IntelliVue The Central Monitoring setting on the monitor determines whether the monitor requires a connection to the Philips Information Center (central station). If Central Monitoring is set to **Mandatory**, the monitor issues a technical alarm (INOP) if a network is detected without an Information Center (central station). If you are connecting the monitor to a Computer Client, Central Monitoring should be set to Optional.

To do this, in Configuration Mode,

- Select Main Setup to enter the Main Setup menu.
- Select Network
- Select **Central Monitoring** and toggle to the appropriate setting:

The monitor should be connected to an Information Center. Mandatory

An INOP is displayed if no connection is available.

The monitor can be connected to an Information Center. Optional

An INOP is only displayed if the connection to the Information Center is lost.

No INOP is displayed if no connection is found at power on.

After the configuration, make sure you have stored all the active settings and leave Configuration Mode. You do not need a password to return to Monitoring Mode.

For further details on configuration, please refer to the IntelliVue configuration guide (M8000-9306X).

Connecting to the IntelliVue MP20-90 or MX Series or the Avalon FM Series MIB/RS232 Interface

NOTE This section only applies to MX400-550 Monitors if the Dual MIB/RS232 I/O board is used. For connection to the Advanced Interface Board of the MX400-550 monitors, please refer to "Connecting to the Intellivue MP5 Monitor MIB/RS232 Interface or the MX400-550 Advanced Interface Board" on page 21

The MIB/RS232 interface provides an eight-pin RJ-45 modular jack.







IntelliVue MX 600-800



IntelliVue MX MX400-550

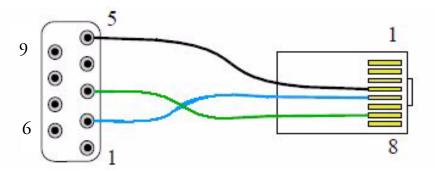
For the cable connection an eight conductor #24 American Wire Gauge (AWG) unshielded twisted-pair (UTP) cable must be used. The cable must follow ANSI/TIA/EIA-568-A-1995 Category 5 (CAT-5). The cable length must not exceed 65ft (20m). Straight-through pinning must be used.

The physical specification of the MIB/RS232 Interface follows the standard IEEE 1073.3.2. Refer to the standard for more information on cables and pin assignment.

The MIB/RS232 interface provides a RS232 port with the following pin assignment. This table is valid when the MIB/RS232 Interface is in DCC (Device Communication Controller) mode (DCC LED on the MIB/RS232 board is on - see below for details).

Computer Client	Pin and Signal Direction	IntelliVue monitor
	1<=	dDPWR
GND	4 <=>	GND
RxD	5 <=	TxD
TxD	7 =>	RxD

The pins of the RJ45 are counted from 1 for the lowest pin to 8 for the highest pin when looking at the RS232/MIB interface board.



LEDs on the MIB/RS232 Board (MP20-90 and Avalon FM Series only)

There are four LEDs per port on the MIB/RS232 board which provide information on the configuration of the respective board. The MIB functionality is indicated by the LEDs in the yellow fields, other functionality (e.g. use for AGM or touch) is indicated by the LEDs in the grey fields. Only one LED is lit at a time.

LED	Meaning
yellow, arrow in	MIB BCC (Bedside Communication Controller) Mode
yellow, arrow out	MIB DCC (Device Communication Controller) Mode
grey, =	RS232 Mode, RX/TX lines straight
grey, X	RS232 Mode, RX/TX lines crossed

NOTE The drawings and descriptions of the RS232/MIB board above apply to the IntelliVue MP60/70 monitors. Location and orientation of the board may vary, depending on the monitor purchased.

Please note that Data Export will only function with the MIB/RS232 interface in DCC mode.

The TxD and RxD lines are the RS232 receive and transmit lines. The signals are referenced to the round (GND). The dDPWR can be used to power an external device with low power consumption. Refer to the Power Output specification in the table below.

Other applications in the IntelliVue monitor may be configured to use the MIB/RS232 Interface. These applications may use pins which are not used by the Data Export interface. Unused pins should not be connected. The IntelliVue monitor provides multiple RJ-45 connectors. Make sure, to use the correct connector with a port configured for Data Export.

The configuration of a specific MIB/RS232 port can be viewed in config mode and altered in service mode. To alter the configuration of an MIB port select Main Setup then Hardware then Interfaces. This brings up the MIB/RS232 card configuration. The port that you are using must be set to DtOut1 for the "Data Out" function. If the MIB/RS232 port is configured for data export the yellow arrow out LED will be lit.

2 Connecting to the Network Connecting to the IntelliVue MP20-90 or MX Series or the Avalon FM Series MIB/ RS232 Interface

IntelliVue Rev. G.0 or higher allows the configuration of either a second MIB/RS232 port or the combination LAN interface and MIB/RS232 port for Data Export. The **DtOut2** driver is used to connect a second port to Data Export. Only one connection is able to request wave data at a time, the other connection responds with a notification that wave polling is not possible. The first connection to request a successful wave poll receives the wave data.

Parameter	Limit	
Driver (TxD)		
Driver load output voltage (3 kOhm to 7 kOhm load)	5 V <= Vout <= 15 V	
Driver open-circuit voltage	Vout <= 25 V	
Driver short-circuit current (to +/- 15 V)	Iosv <= 100 mA	
Receiver (RxD)		
Receiver input resistance	3 kOhm to 7 kOhm	
Maximum receiver input voltage	+/- 25 V	
Receiver threshold	+/- 3V	
Power output (dDPWR)		
Minimum output voltage	4.75 V	
Maximum output voltage	5.25 V	
Minimum guaranteed output current	100 mA	
Maximum typical output current	150 mA	

REPEATED INFORMATION: If the Computer Client is not classified as a medical device, it must be located outside the patient vicinity. The patient vicinity is defined as an area within 6ft (1.85m) of the perimeter of the patient's bed or within 7.5ft (2.3m) of the floor.

WARNING

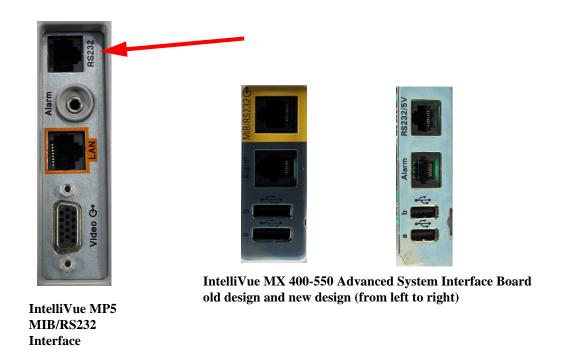
All external devices in the patient vincinity must comply with IEC 60601-1:1988/A1:1991A2:1995 or EN 60601-1:1990/A1:1993/A2:1995. This applies also to all signal connections, entering the patient vincinity. Additional safety equipment, e.g. isolation transformers might be used.

The installation procedures e.g. for electrical connections as documented in the User's Guide must be strictly followed.

If it is installed in patient vicinity, the Computer Client, connected to the instrument, must be correctly isolated from the mains power supply by an isolation transformer. The MIB/RS232 interface provides galvanic isolation of the monitor from a connected device.

Connecting to the Intellivue MP5 Monitor MIB/RS232 Interface or the MX400-550 Advanced Interface Board

The physical specification of the MP5 RS232 Interface follows the standard IEEE 1073.3.2. Refer to the standard for more information on cables and pin assignment. Note that the MP5 monitor's RS232 interface is always configured as a BCC device.



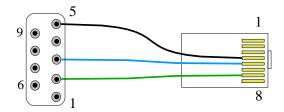
The MP5 RS232 interface and the MX400-550 Asvanced Interface Board provide an RS232 port with the following pin assignment.

Computer Client	Pin and Signal Direction	IntelliVue monitor
GND	4 <=>	GND
TxD	5 =>	RxD
RxD	7 <=	TxD

The TxD and RxD lines are the RS232 receive and transmit lines. The signals are referenced to the round (GND).

To connect a PC via RS232 to the MP5 monitor or via RS232 on the Advanced Interface Board to the MX400-550 monitor, use a cable configured as shown below.

The pins of the RJ45 connector are counted from 1 for the highest pin to 8 for the lowest pin looking directly at the pins with the cable leaving the connector to the left.



The MIB/RS232 port must be set to **DtOut1** for the "Data Out" function. See page 19 for details on how to change the configuration of the MIB/RS232 port.

REPEATED INFORMATION: If the Computer Client is not classified as a medical device, it must be located outside the patient vicinity. The patient vicinity is defined as an area within 6ft (1.85m) of the perimeter of the patient's bed or within 7.5ft (2.3m) of the floor.

WARNING

All external devices in the patient vincinity must comply with IEC 60601-1:1988/A1:1991A2:1995 or EN 60601-1:1990/A1:1993/A2:1995. This applies also to all signal connections, entering the patient vincinity. Additional safety equipment, e.g. isolation transformers might be used.

The installation procedures e.g. for electrical connections as documented in the User's Guide must be strictly followed.

If it is installed in patient vicinity, the Computer Client, connected to the instrument, must be correctly isolated from the mains power supply by an isolation transformer. The MIB/RS232 interface provides galvanic isolation of the monitor from a connected device.

Configuring the MIB/RS232 Interface

The MIB/RS232 interface supports different transport protocols. To change the MIB/RS232 interface configuration, in Configuration Mode,

- 1 Select Main Setup
- 2 Select Hardware
- 3 Select **Data Export** and select the required setting:

AutoSpeed Transport protocol with baudrate negotiation, based on the IrDA protocol.

Fix 19200 Transport protocol with a fixed baudrate of 19200 baud.

Fix 19200 Transport protocol with a fixed baudrate of 19200 baud.

Fix 115200 Transport protocol with a fixed baudrate of 115200 baud.

4 Exit Configuration Mode. You do not need a password to return to Monitoring Mode.

IntelliVue Rev. G.0 and higher devices that allow two MIB/RS232 interfaces have two "Data Export" options. You can select **DtOut1** and/or **DtOut2**. These can be configured in service mode only. Please refer to the respective service guide for information on how to access service mode and teh required password.

For further details on configuration, please refer to the IntelliVue configuration guide (M8000-9306X).

Protocol Concept

The Protocol is based on a Client/Server Model. The Personal Computer (*Client*) maintains a logical connection with the Philips IntelliVue or Avalon Monitor (*Server*). Communication occurs by sending and receiving Command messages.

Supported Transport Protocols

The Data Export functionality in the monitor can be accessed via the LAN interface or via the MIB/RS232 interface. While the Association Control and Data Export Protocol is the same for both interfaces, the underlying transport protocol varies.

- For the LAN interface the transport protocol is the standard UDP/IP protocol.
- For the MIB/RS232 interface, two transport protocols are supported:
 - a fixed baudrate protocol at 19200 or 115200 baud and
 - a protocol with baudrate negotiation (Auto Speed) based on the IrDA protocol with a baudrate from 9600 baud to 115200 baud.

Association Control and Data Export Protocol							
UDP/IP	RS232	RS232					
	Fixed Baudrate	Auto Speed					
LAN Interface	MIB/RS232 Interface						

UDP/IP Protocol

The transport protocol uses the Universal Datagram Protocol/ Internet Protocol (UDP/IP). The protocol is based on the Request For Comment (RFC) internet standard. UDP is defined in RFC 768; IP is defined in RFC 760.

The UDP/IP transport protocol is part of the internet protocol suite. Drivers and necessary hardware are available for all relevant computing platforms. It provides for a simple exchange of messages (Datagrams) across a Local Area Network. The maximum size of user data in a protocol message can be negotiated at connection time between the monitor and the Computer Client.

Fixed Baudrate Protocol

The Fixed Baudrate Protocol provides a transport protocol with minimal overhead and complexity. It is intended for Computer Clients which cannot use the Auto Speed Protocol. The protocol operates at a fixed baudrate and can be used with standard RS232 concentrators. It provides packet-oriented data exchange and checksum protection on top of the RS232 protocol. For the specification of the Fixed Baudrate Protocol see "Transport Protocols for the MIB/RS232 Interface" on page 30.

Auto Speed Protocol

The Auto Speed Protocol is based on the IrDA protocol. It offers a reliable transport layer with checksum protection and a retry mechanism in the case of transmission problems. The baudrate can be negotiated in a range from 9600 baud to 115200 baud. For the specification of the AutoSpeed Protocol see "Transport Protocols for the MIB/RS232 Interface" on page 30.

Protocol Model

The protocol is based on an object-oriented modelling concept. All information available through the Data Export Protocol is modelled as attribute values of information objects.

The following information object classes are supported by the monitor:

• Medical Device System (MDS)

The MDS object contains attributes representing dynamic state information (e.g. current operating mode) and static device specific identification information (e.g. Serial Numbers).

Alert Monitor

The Alert Monitor object contains attributes representing the current technical and patient alarms, as e.g. displayed on the monitor.

• Numeric

Numeric objects contain attributes representing the state and value of numerical measurements (e.g. Heart Rate).

Enumeration

Enumeration objects contain attributes representing the state and value of enumerated measurement data (e.g. ECG Rhythm Status)

Waves

Realtime sample array objects contain attributes representing the state and value of wave data (e.g. ECG).

• Patient Demographics

The Patient Demographics object contains attributes representing patient information stored in the monitor (e.g. Patient Name).

The object attributes can be accessed by a poll of the MDS object, which allows a query of the sets of attribute values from all objects of a specified class.

The method can be called by sending a command message from a Computer Client to the monitor.

Protocol Dialog

The following diagram shows the protocol dialog between the monitor Data Export server and a Computer Client:

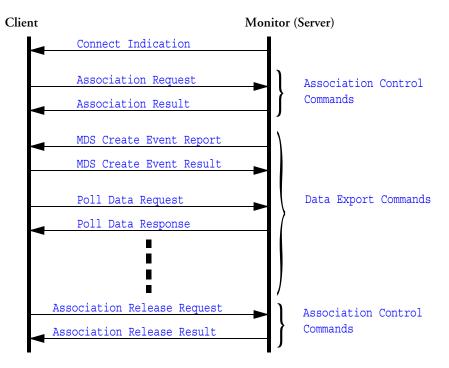


Figure 1 Protocol Dialog

Transport protocol-specific messages are not shown in the diagram. The Connect Indication message is only available on the LAN interface.

The Philips IntelliVue and Avalon Monitors process global commands and send response messages to the requests made by the client of the personal computer.

The messages shown in the diagram are explained in the following sections.

Connect Indication

The Connect Indication message is only sent on the LAN interface.

As soon as the monitor has received a valid IP address from the BootP/DHCP server in the network, it sends out the Connect Indication message on its LAN interface. The message is a periodic multicast ort broadcast message (as configured in the monitor network settings) that allows Computer Clients to find the monitor on the network. The message contains a set of device-related information, e.g., serial numbers, network addresses, internal states.

The monitor resends the Connect Indication message until a logical connection to a central station has been established. The monitor uses the retransmit strategy described in RFC 951. The resend period starts with 4 seconds and is doubled with each resend. The maximum resend period is about 64 seconds. The actual resend period contains a random component to avoid network congestion e.g. after a power failure.

Association Request

To establish a logical connection, the Computer Client sends the Association Request message to the monitor.

The Association Request can be used to set optional features of the logical connection between Computer Client and monitor.

Association Result

The monitor processes the Association Request and sends an Association Result. The result can be either a refuse message or an accept message.

The Computer Client must parse the Association Result to find out which protocol features can be used for this association.

MDS Create Event Report

If the monitor accepts the association, it sends a MDS Create Event Report after the positive Association Result message.

The MDS Create Event Report contains information about the system and its configuration.

MDS Create Event Result

The Computer Client must confirm the reception of the MDS Create Event Report. If the monitor does not receive a MDS Create Event Result message, the association is aborted.

Poll Data Request

After establishing an association, the Computer Client can send Poll Data Requests to access the data within the monitor.

The Poll Data Request contains a data-type parameter, which defines the specific type of requested data. The following data types are supported:

- Numeric/Enumeration Measurements
- Wave data
- Alerts (patient alarms and technical alarms)
- Patient Demographics
- System Attributes (e.g. dynamic state information, serial numbers, versions, etc.)

Only one type of data can be accessed per Poll Data Request.

Poll Result

Depending on the status of the monitor and the options set during the establishment of the logical connection (association phase), a Poll Data Request message can return:

- a single Poll Data Reply
- multiple, linked Poll Data Replies, if the size of the requested data exceeds the maximum size of a transport layer message
- a continuous number of periodic Poll Data Replies for a time period defined by the Computer Client (supported for Numeric Measurements, Waves and Alerts only).

Association Release Request

When the Computer Client wants to close an association, it can send a Release Request.

Association Release Result

The monitor parses the Release Request. If the Release Request is syntactically correct, the monitor sends an Association Release Result, indicating that the Association has been released.

Association Abort

In the case of communication problems, such as time-out, the monitor can send an Association Abort message. This message indicates that the association has been closed. A Computer Client should use the Association Release Request which provides a confirmation.

More Information

- For more details on the association control commands, such as Association Request, Association Result, Association Abort etc., please refer to the section "Definition of the Association Control Protocol" on page 65.
- For more detail on the data export commands, such as Poll Data Request, MDS Create Event Report, MDS Create Event Result, etc., please refer to the section "Protocol Commands" on page 52.

Connection Time-out Mechanism

The monitor automatically closes the connection if it detects a connection time-out condition. The connection time-out value is derived from the minimum poll period that is negotiated during the connection establishment phase.

A connection time-out period is 3 times the negotiated minimum poll period time. However, the minimum connection time-out is 10s, the maximum connection time-out period is 130s.

If the monitor does not receive a protocol message within the connection time-out period, the device closes the connection to the Computer Client by sending an Association Abort message. After that, a new connection can be established from the Computer Client to the monitor.

Network Load Consideration

Input Data

The monitor accepts a specific amount of input data per association. If the Computer Client sends more than the specified number of messages, the monitor will discard messages to avoid an unreasonably high system load. A Computer Client should be able to handle the loss of messages.

Message Type	Messages per Second
Association Control	1
Poll Request - Numerics (observed values)	1
Poll Request - Numerics (other attributes)	1
Poll Request - Enumerations	1
Poll Request - Waves	1
Poll Request - Alert Monitor	1
Poll Request - Patient Demographics	1
Poll Request - Medical Device System	1

The monitor will send a Remote Operation Error message if it receives a poll request for an object while it is still processing another poll request for the same object.

Output Data

The monitor processes the received message and sends the corresponding results. In rare cases, it can take up to several seconds until the response message is returned, and Poll Requests may be lost.

To avoid poll requests or poll responses getting lost, it is strongly recommended that the Computer Client uses the extended poll method to poll real-time numerics.

Definition of the Transport Protocols

Transport Protocols for the LAN Interface

UDP/IP

The Protocol uses the Universal Datagram Protocol/ Internet Protocol (UDP/IP) as the transport protocol. The protocol is based on the following internet standards (Request For Comment, RFC):

UDP is defined in RFC 768.

IP is defined in RFC 760.

The UDP/IP transport protocol is part of the internet protocol suite. Drivers and necessary hardware are available for all relevant computing platforms.

It provides for a simple exchange of messages (Datagrams) across a Local Area Network.

The maximum size of user data in a protocol message can be negotiated at connection time between the monitor and the Computer Client.

The upper limit for the negotiated user data size (MTU, Maximum Transport Unit) is 1364 bytes, the lower limit for the negotiated MTU is 500 Bytes. The maximum size of a UDP message sent by the monitor is 1380 bytes.

IP Address

In order to communicate with the Philips IntelliVue or Avalon Monitor, a BootP or DHCP server must exist in the network or the IP address must be configured manually. The BootP or DHCP server must be configured so that it answers BootP/DHCP Request messages from the monitor.

UDP Port Number

The UDP Port Number used by the monitor for the Protocol can be extracted from the Connect Indication broadcast message used for Device Discovery (see "CONNECT INDICATION EVENT" on page 53). The current Protocol version uses the fixed UDP port 24105.

All messages sent from the Computer Client to the monitor must use this port number as the destination port number.

The Computer Client can chose any available source port for the communication. Once the Computer Client has chosen a source port, it must not use any other port. Protocol messages from another source port will be regarded as messages from a different Computer Client).

Any messages sent from the monitor back to the Computer Client use the source port number set by the Computer Client in first message (the Association Request message, see "Association Request Message" on page 67).

Transport Protocols for the MIB/RS232 Interface

The Fixed Baudrate Protocol, RS232 Port Settings

Each transmitted byte consists of one start bit, 8 data bits (no parity) and one stop bit. The baudrate can be set to 115kBit/s or 19.2kBit/s.

Flow control is not supported (same behavior as UDP). The monitor limits the number of Frames which will be processed in a given time. The monitor will process up to 4 frames within 128ms. If a client sends more frames, additional frames are ignored. (Implementation Note: the monitor allows 5 frames within 128ms, the additional frame is required because of possible jitter.)

A client system must be able to handle the loss of messages, because the Fixed Baudrate Protocol does not guarantee the reliable transmission of messages.

Framing

BOF Hdr User Data FCS EOF	User Data FCS EOF
---------------------------	-------------------

The framing structure is the same as for AutoSpeed protocol. A frame starts with a single BOF.

BOF	Beginning Of Frame (0xC0)
Hdr	Header Information
User Data	Association Control or Data Export Command message
FCS	16 bit Frame Check Sequence using CRC-CCITT algorithm
EOF	End Of Frame (0xC1)

Header Information

The *Hdr* field is defined as follows:

The *protocol_id* field contains ID and version information. It can be used to define different service access points. Data Export uses the ID 0x11.

The *msg_type* field defines the type of message which is being sent. The value 0x01 indicates an Association Control or Data Export Command message, future message types could be used for flow control, lifetick, message confirmation etc.

The *length* field contains the length of the appended user data in bytes (without transparency characters).

If a client receives messages with an unknown protocol_id or msg_type, it should ignore the message.

Frame Check Sequence Field

The Frame Check Sequence Field can be used to detect transmission errors. The field contains a 16 bit CRC-CCITT cyclic redundancy check (not the popular XMODEM variation of CRC-CCITT). The CRC is computed from the *Hdr* and *User Data* field. Refer to "Serial Infrared Link Access Protocol (IrLAP)" Version 1.1 for the actual computation method of the CRC. A code snippet for the FCS algorithm can be found in the Network Working Group Request for Comment: 1171 (PPP protocol). The one's complement of the CRC is transmitted, rather than the CRC itself. The CRC is transmitted LSB first.

If the CRC is not correct, a client system should ignore the message.

Transparency

The contents of the *Hdr* and *User Data* fields is unrestricted. This can lead to problems if a BOF or EOF character appear in the *Hdr*, User Data, or FCS field. A Control Escape byte is defined as 0x7D. The sender must examine each byte in the User Data and FCS fields; for each byte with the value 0xC0, 0xC1, 0x7D it does the following:

- insert a 0x7D byte proceeding the byte
- complement bit 5 of the byte (XOR with 0x20).

Frame Abort

The sending station may abort the transmission of a frame by sending a control escape character followed by a EOF character (0x7D 0xC1) without sending the FCS field.

Examples The examples below do not include the *Hdr* field. For a correct message, the framing algorithm must be applied to the *Hdr* and *UserData* field of the message.

1 If a Computer Client wants to send the data:

"0x3a 0x71"

The CRC for this data would be:

"0xd9 0x64"

after building the one's-complement and byte-swapping, this results in:

"0x9b 0x26"

The whole frame would be:

"0xc0 0x3a 0x71 0x9b 0x26 0xc1"

2 If a Computer Client wants to send the data:

"0x3a 0x91"

The CRC for this data would be:

"0x3e 0x6a"

after building the one's-complement and byte-swapping, this results in:

"0x95 0xc1"

The whole frame would be:

"0xc0 0x3a 0x91 0x95 0x7d 0xe1 0xc1"

Note that byte "0xc1" in the CRC is a reserved character and must be escape. This results in "0x7d 0xe1".

The AutoSpeed Protocol

The AutoSpeed Protocol follows the definition of the Transport Protocol defined in the standard IEEE 1073.3.2: IEEE Standard for Medical Device Communications - Transport Profile - IrDA Based Cable Connection.

For a description of the IrDA Protocol refer to the specifications of the Infrared Data Association (www.irda.org):

- IrDA, Serial Infrared Link Access Protocol (IrLAP), Version 1.1, June 16, 1996
- IrDA, Link Management Protocol (IrLMP), Version 1.1, Oct. 20, 1996
- IrDA, Tiny TP: A Flow-Control Mechanism for use with IrLMP, Version 1.1, Oct. 20, 1996

Commercial IrDA stacks are available for most operating systems.

The Data Export protocol resides as a packet oriented client on top of the IrDA TinyTP layer.

Establishing a Connection

A connection is created using the following steps:

Discovery

The Computer Client sends an IrLAP discovery request to find out if a device is physically connected. The IntelliVue monitor answers with an discovery response message. The discovery procedure is done at a fixed baudrate of 9600 baud.

• Open an IrLAP connection

When the Computer Client finds a connected system, it can send an IrLAP Set Normal Response Mode message to establish a logical IrLAP connection. The IntelliVue monitor sends an response message. During this procedure parameters of the IrLAP connection, like baudrate, data size, etc. are negotiated.

Open an IAS port

The Information Access Service (IAS) is provided by the IrLMP layer. It provides a database with device information which can be queried by the client. Before accessing the service, the client must connect to the special IrLMP service access point (SAP) 0.

Perform an IAS query

The IrLMP layer does not specify a well-known SAP for the Data Export Protocol, hence the client should query the IAS database to find the SAP for the Data Export Protocol. The database contains the attribute "IrDA:TinyTP:LsapSel" under the object class "IEEE:1073:3:2:MDDL". The attribute specifies the SAP for the Data Export Protocol on the IrDA TinyTP layer as an integer value.

Close the IAS port

After performing the IAS query, the Computer Client should close the IAS port again with an IrLMP disconnect message.

• Open a Tiny TP connection

After retrieving the number for the TinyTP SAP, the client system can open a connection on this SAP. This is done with an IrLMP connect request message which contains a TinyTP connect in its user data.

Send an Association Request

After the transport layer connection has been established, the Computer Client can send an Association Request message to start a Data Export session.

• Send a Release Request

When the client has no need for further communication, it can send a Release Request message to terminate the Data Export session.

• Close the IrLAP connection

After the Data Export session has been closed, the Computer Client should also close the TinyTP SAP. This can be done by sending an IrLMP disconnect message or by closing the whole IrLAP connection.

Definition of the Data Export Protocol

Definitions Shared by Protocols

Byte Order

The protocol data structures use the Network Byte Order. This means that bytes of a multi-byte data structure are transmitted on the network with the most significant byte first (as in big-endian data storage). This may or may not match the order in which numbers are normally stored in memory for a particular processor.

If the Computer Client is not using big-endian storage internally (many common Personal Computer Platforms use little-endian storage), protocol data structures (message structures) must be transformed before they are sent to an monitor or after they have been received from an monitor.

Byte Alignment

The Association Control and Data Export protocols assume no data alignment. However, most data types used in this guide have an even length for performance reasons. Many compilers use different alignment modes by default. Make sure that the compiler uses the right alignment when parsing and formatting protocol messages.

Bit Order

The index for bits starts with zero for the most significant bit.

MSB									LSB						
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15

Common Data Types

Basic Data Types

The C data types defined here make use of the following basic types:

```
u_8 unsigned 8 bit wide integer
u_16 unsigned 16 bit wide integer
u_32 unsigned 32 bit wide integer
i_8 signed 8 bit wide integer
i_16 signed 16 bit wide integer
i_32 signed 32 bit wide integer
```

The mapping of these types to data types used in a Computer Client application is machine specific and compiler dependent.

Absolute Time

The Absolute Time data type is used whenever data is time stamped and a resolution of 1s is sufficient.

```
typedef struct {
       u_8
                        century;
       u_8
                        vear:
       u 8
                        month;
       u_8
                        day;
       u 8
                        hour;
       u_8
                        minute:
       u_8
                        second;
       u 8
                        sec fractions;
} AbsoluteTime;
```

The individual u_8 fields are BCD encoded, they are not encoded as regular integer values. E.g. the year 99 (decimal) is coded as 0x99. An invalid time is marked with 0xff in all positions.

Note that the time resolution in monitor with this format is 1 second. The *sec_fractions* element in the structure is not used.

Relative Time

The Relative Time is a high resolution time marker which defines a time relative to an event (e.g. power-on). It is used to position events (a particular event message) relative to each other with a higher resolution. It is defined as follows:

```
typedef u_32 RelativeTime;
```

The resolution of the *RelativeTime* is 1/8ms (125us). The monitor sets the Relative Time with a precision of 2 ms. The Computer Client can calculate the absolute time (wall clock) from a known relation between Absolute Time and Relative Time with a precision of about 1s. For more information on the time mapping refer to "MDS CREATE EVENT" on page 54.

OID Type

For the identification of all protocol elements (e.g. physiological meaning, alert codes, units of measure), the *OIDType* (Object Identifier Type) is used.

```
typedef u_16 OIDType;
```

Values for the *OIDType* (the nomenclature) are listed at the end of the section "Attribute Data Types and Constants Used" on page 75. Independent value ranges (partitions) exist, e.g. for physiological identifiers, alert condition identifiers, units of measurement etc.

Private OID

For the identification of private or manufacturer specific elements, a special type is used.

Values for the *PrivateOIDs* are listed whenever a *PrivateOID* is used. Refer to the section "Attribute Data Types and Constants Used" on page 75 for a complete list of identifiers.

TYPE

Whenever it is not clear from the context, from which nomenclature value range the *OIDType* comes, the TYPE data type is used. Here, the nomenclature value range (the partition) is explicitly identified.

The *code* values are grouped in the following partitions:

```
NOM_PART_OBJ: Object oriented element, device nomenclature
```

NOM_PART_SCADA: Types of measurement and place of the measurement

NOM PART EVT: Codes for alerts

NOM_PART_DIM: Units of measurement

NOM_PART_PGRP: Identification of parameter groups

NOM_PART_INFRASTRUCT: Infrastructure for Data Export applications

The *code* is only unique in a given partition. The values for the *OIDType* are defined in the section "Attribute Data Types and Constants Used" on page 75.

Handle

Object instances, e.g. Numeric object instances, are identified with a 16bit wide ID, the object Handle:

```
typedef u 16 Handle;
```

Global Handle

Handles are unique within the context of a particular system. The Protocol supports multiple measurement servers, where each measurement server assigns object handles independently. To assure handle uniqueness across system boundaries, the Global Handle contains an additional identifier for the source system, e.g., each measurement server has a distinct context id. The context id is assigned dynamically when a measurement server is connected.

Managed Object Identifier

The Managed Object Identifier is a fully qualified object identifier which contains an identifier for the object class (e.g. Numeric object) together with a Global Handle.

Attribute Value Assertion

Object attributes are represented in the form of data record structures which contain an identifier for the attribute, a length field for parsing and the actual value of the attribute.

The structure of such an attribute record is the Attribute Value Assertion, which is defined as follows:

The *attribute_id* identifies the type of the attribute. The length field contains the size of the *attribute_val* field in bytes. The *attribute_val* field itself is only a placeholder in this structure. The parsing algorithm must assign the attribute value to the correct data structure based on the value of the *attribute_id*.

Attribute List

Typically, object instances have multiple attributes which are captured in a list with the following data type:

The count field contains the number of Attribute Value Assertion elements in the list.

The length field contains the size of the list (the value array) in bytes.

The value field itself again is only a placeholder data structure. A parser must be used to interpret the data structure. Refer to "Protocol Examples" on page 325 for an example of an *AttributeList*.

String

The text string is preceded by a length field, followed by the value. The *length* field denotes the number of octets in *value*. If the length is zero, no octets are appended. The *String* data type is used for UNICODE encoded texts.

Where possible, the real string lengths have been included in this document. However, these string lengths may change in future releases, producing discrepancies between the actual string lengths and this document.

The *String* uses the same language as the monitor. The monitor uses UNICODE for the *String* data type (see "Connect Indication Attributes" on page 107). The *String* may contain code values from the UNICODE private use area (0xE000 to 0xF8FF). The Computer Client most likely will not support these characters. The following codes are frequently used:

```
#define SUBSCRIPT CAPITAL E CHAR
                                     0xE145
      /* SUBSCRIPT CAPITAL E
                                                      * /
#define SUBSCRIPT CAPITAL L CHAR
                                     0xE14C
      /* SUBSCRIPT CAPITAL L
#define LITER PER CHAR
                                     0xE400
       /* LITER PER - used in 4 char unit "l/min"
#define HYDROGEN CHAR
                                     0xE401
       /* HYDROGEN - Used in 4 char unit "cmH2O"
#define ALARM STAR CHAR
                                     0xE40D
       /* ALARM STAR "*"
#define CAPITAL V WITH DOT ABOVE CHAR 0xE425
      /* CAPITAL_V_WITH_DOT_ABOVE (V with dot)
                                                      */
#define ZERO WIDTH NO BREAK SPACE CHAROXFEFF
       /* The character 0xFFEF is used as FILL character.
       For each wide asian character, a FILL character is
       appended for size calculations. */
```

Variable Label

The string is preceded by a length field, followed by the value. If the length is zero, no octets are appended. The *VariableLabel* data type uses 8 bit ASCII encoding for the text. The *length* of a *VariableLabel* is always even.

```
typedef struct {
    u_16 length;
    u_8 value[1];
} VariableLabel
```

Where possible, the real string lengths have been included in this document. However, these string lengths may change in future releases, producing discrepancies between the actual string lengths and this document.

TextId

The *TextId* type is a 32bit wide private ID.

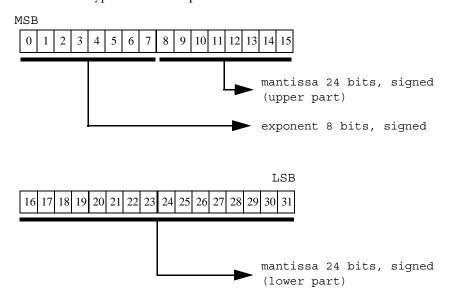
```
typedef u 32 TextId;
```

FLOAT-Type

For floating point numbers, a special 32bit wide format is used. For message parsing and for the definition of the message structures a 32bit wide placeholder structure is defined here.

```
typedef u_32 FLOATType;
```

The FLOAT-Type must be interpreted as follows:



The number represented is (mantissa)*(10^{exponent}). Both the exponent and mantissa are in 2's complement form. The mantissa is not necessarily normalized.

There are four special values of the mantissa that can be represented:

NaN (Not a Number), which has a mantissa of $+(2^{23} - 1)$ (0x7fffff)

NRes (Not at this resolution), which has a mantissa of -(2²³) (0x800000)

+/- INFINITY, which have mantissa of +/- $(2^{23}-2)$ (0x7ffffe, 0x800002).

The exponent is not important in these cases. This leaves the following ranges for normal number representation:

```
-128 \le \text{exponent} \le 127
-(2^{23}-3) \le \text{mantissa} \le +(2^{23}-3)
```

Definition on the number of the valid digits for the presentation on the monitor's display:

1.) If the exponent < 0, then the integer value of the exponent shows the number of valid digits after the point:

Examples:

```
value = 0xfd007d00: exponent = -3, mantissa = 32000 → 32.000

value = 0xff000140: exponent = -1, mantissa = 320 → 32.0
```

2.) If the exponent >= 0, then the number of valid digits after the point is zero.

Examples:

```
value = 0x01000140: exponent = 1, mantissa = 320 \longrightarrow 3200 value = 0x02000020: exponent = 2, mantissa = 32 \longrightarrow 3200
```

Protocol Command Structure

Protocol Command messages, as defined in this section, are the data structures that are transported within the transport layer message (UDP datagram, IrDA message or Fixed Baudrate Protocol message). The generic structure is common for messages sent from the Computer Client to the monitor (e.g. Poll Request messages) and messages sent from the monitor to the Computer Client (e.g. Poll Result messages).

The Protocol Command messages represent the ISO/ OSI layers 5 - 7 (session layer, presentation layer, application layer). The message that transports a Protocol Command contains a checksum. Computer Clients should validate this checksum to detect corrupted messages.

The Protocol command messages used to establish the logical connection (association) between the monitor and a Computer Client follow the definitions of the ACSE Standard (ISO/IEC 8649 and ISO/IEC 8650).

For the Protocol Commands during the logical connection, the message structure is layered and has the following basic format:

Session/Presentation Header		
Remote Operation Header		
Command Header		
Command- Specific Parameter Data		

The Session Header and Presentation Header are small fields only which contain fixed values for the life time of the logical connection between the monitor and the Computer Client.

The Remote Operation Header allows to distinguish between the different types of command messages, command response messages and error messages.

The Command Header contains the common part of the Command data structure identified in the Remote Operation Header.

Command-specific parameters or data are appended to the generic message structure.

Session/Presentation Header

Each protocol message starts with a common data structure representing the session and presentation protocol, defined as follows:

```
typedef struct {
   u_16    session_id;    /* contains a fixed value 0xE100 */
   u_16    p_context_id;    /* negotiated in association phase */
} SPpdu;
```

session_id

This field identifies a Protocol message. The field contains a fixed value 0xE100. Conceptually, this field represents the session header.

p_context_id

The presentation context identifier is negotiated during the exchange of the association messages.

The Computer Client can use the first byte of the *session_id* to distinguish between Data Export protocol commands and Association Control protocol commands.

If a Computer Client encodes the Association Control protocol commands as suggested in "Definition of the Association Control Protocol" on page 65, the *context_id* for the Data Export protocol commands is 2.

Remote Operation Header

A protocol message is considered a remote operation. There are different types of operations as defined below. The different operations are described by a common operation header data structure:

• ro_type

This field defines which type of remote operation is appended.

The following remote operation types exist:

Remote Operation Invoke (ROIV_APDU) invokes (calls) a remote operation.

Remote Operation Result (RORS_APDU) returns the result of a remote operation

Remote Operation Error (ROER_APDU) returns an error for a remote operation.

Remote Operation Linked Result (ROLRS_APDU) returns parts of the result of a remote operation. It is used when the size of the complete result exceeds the maximum size of one message.

· length

This field defines the remaining number of bytes in the message.

Remote Operation Invoke

A Remote Operation Invoke message is defined as follows:

• invoke_id

The invoke identifier is used to reference the specific operation while it is being processed. Result messages or error messages will use this identifier as a reference. Therefore, the invoke identifier should be unique while the operation transaction is in process.

• command_type

The command type identifier defines what command data type is appended to this structure.

length

This field defines the remaining number of bytes in the message.

Remote Operation Result

A Remote Operation Result message is a response to an Operation Invoke message requiring confirmation.

The message is defined as follows:

```
typedef struct {
  u_16   invoke_id;    /* mirrored back from op. invoke */
  CMDType  command_type; /* identifies type of command */
  u_16   length;    /* no of bytes in rest of message */
} RORSapdu;
```

• invoke_id

The invoke identifier is mirrored back from the related Remote Operation Invoke message that triggered this result. This field allows to relate the response message to the original request.

command_type

The command type identifier defines what command data type is appended to this structure.

· length

This field defines the remaining number of bytes in the message. This length is not larger than the negotiated Maximum Transport Unit (MTU). For larger messages, the Remote Operation Linked Result mechanism will be used.

Remote Operation Linked Result

In some cases, the total data that must be returned as a result of a command may exceed the maximum message size. In these cases, multiple Remote Operation Linked Result messages are used.

These messages are defined as follows:

· linked id

The linked identifier identifies each Remote Operation Linked Result message in a sequence of linked messages (see below).

invoke id

The invoke identifier is mirrored back from the related Remote Operation Invoke message that triggered this result. This field allows to relate the response message to the original request.

command_type

The command type identifier defines what command data type is appended to this structure.

length

This field defines the remaining number of bytes in the message.

If the size of the result data exceeds the maximum message size, a combination of Remote Operation Linked Result Messages and Remote Operation Result messages is used, with the following rules:

- For all response messages except the very last one:
 - the ROLRS_APDU message type is used
 - the linked identifier is set by the responder to the RorlsId data type
 - the invoke identifier is the value of the invoke identifier of the associated Operation Invoke
- For the very last message:
 - The RORS_APDU message type is used

The invoke identifier in this response is the value of the invoke identifier of the associated Operation Invoke.

The following data type is used for the linked identifier:

The first Remote Operation Linked Result message sets the state RORLS_FIRST.

The last Remote Operation Linked Result message sets the state RORLS_LAST. Note that there is one more Remote Operation Result message to follow.

All other Remote Operation Linked Result messages set the state RORLS_NOT_FIRST_NOT_LAST.

Examples:

- If a total of 3 messages are needed, the first message is a Remote Operation Linked Result with state RORLS_FIRST and count field 1. The second message is a Remote Operation Linked Result with state RORLS_LAST and count field 2. The third message is a Remote Operation Result message.
- If a total of 2 messages are needed, the first message is a Remote Operation Linked Result with state RORLS_LAST and count field 1. The second message is a Remote Operation Result message.

The *count* field starts with 1 for the first of the linked messages and is increased with each following message.

When a message is split, each message contains a full command data structure (see "Command Header" on page 47).

If the messages contain data from several objects, the Computer Client can not assume that all data belonging to one object is sent within one message. In some cases it can happen that the data belonging to one attribute of a given object must be sent in multiple messages (see the description of the available data in the section "Attribute Data Types and Constants Used" on page 75). This may only occur for attributes which are encoded in the form of a list (e.g Device T-Alarm List).

Object data which did not fit in one message is guaranteed to continue in the next linked message.

Remote Operation Error

If an error is detected at the Remote Operation level, an error message is returned:

```
typedef struct {
   u 16
           invoke id;
   u 16
           error value;
                 NO SUCH OBJECT CLASS
#
      define
                                                Ω
                NO SUCH OBJECT INSTANCE
#
      define
                                               1
      define
                ACCESS DENIED
#
      define
                GET LIST ERROR
                                                7
#
      define
                SET LIST ERROR
                                                8
                NO SUCH ACTION
#
      define
                                                9
#
      define
                 PROCESSING FAILURE
                                               10
#
      define
                  INVALID ARGUMENT VALUE
                                                15
#
                  INVALID SCOPE
      define
                                                16
                  INVALID OBJECT INSTANCE
#
      define
                                               17
   u_16
          length;
} ROERapdu;
```

• invoke_id

The invoke identifier is mirrored back from the related Remote Operation Invoke message that triggered this result. This field allows to relate the response message to the original request.

error_value

The error values have the following meaning:

GET_LIST_ERROR: Get operation failed. A GetListError is appended to the message.

SET_LIST_ERROR: Set operation failed. A SetListError is appended to the message.

NO_SUCH_ACTION: Unknown action type. The object class ID and action type are appended to the message.

NO_SUCH_OBJECT_CLASS: There is no such object class in the system. An OIDType with the class ID is appended to the message.

NO_SUCH_OBJECT_INSTANCE: The object instance does not exist. The *ManagedObjectId* of the instance is appended.

ACCESS_DENIED: Computer Client has not required privileges to perform the operation. No data is appended.

PROCESSING_FAILURE: Generic error indicating an invalid request. A *ProcessingFailure* is appended to the message.

INVALID_ARGUMENT_VALUE: The argument of the ROSE message was not valid. An Action result is appended.

INVALID_SCOPE: The scope is not valid for the operation. The value of the scope is appended. INVALID_OBJECT_INSTANCE: Wrong object instance. The *ManagedObjectId* of the instance is appended.

length

This field defines the remaining number of bytes in the message.

The GetListError and SetListError structures are defined as follows:

```
typedef struct {
      ManagedObjectId
                         managed object;
      struct {
             u_16
                                  count:
             u 16
                                  length;
             GetError
                                  value[1];
      } getInfoList;
} GetListError;
typedef struct {
      ErrorStatus
                          errorStatus;
      OIDType
                           attributeId;
} GetError;
typedef struct {
      ManagedObjectId managed_object;
      struct {
             u 16
                                  count:
             u 16
                                  length;
             SetError
                                 value[1];
      } setInfoList;
} SetListError;
typedef struct {
      ErrorStatus
                           errorStatus;
      ModifyOperator
                           modifyOperator;
      OIDTvpe
                           attributeId:
} SetError;
typedef u 16
                   ErrorStatus;
#define ATTR_ACCESS_DENIED
                              5
                                   2
#define ATTR_NO_SUCH_ATTRIBUTE
#define ATTR INVALID ATTRIBUTE VALUE 6
```

```
#define ATTR_INVALID_OPERATION 24
#define ATTR INVALID OPERATOR 25
```

The *ProcessingFailure* is defined as follows:

```
typedef struct {
   OIDType error_id;
   u_16 length;
} ProcessingFailure;
```

Additional data with error information can be appended to the *ProcessingFailure*. The default *error_id* is 0 with no appended data.

Command Header

In each protocol message, a Command data structure is appended. The specific Command is identified by the value of the *CMDType* field in the Remote Operation Invoke/ Result/ Linked Result data structures

The following Command types are used in the Protocol:

The following command types are used:

CMD_EVENT_REPORT: An Event Report is used for an unsolicited event message.

CMD_CONFIRMED_EVENT_REPORT: The Confirmed Event Report is an unsolicited event message for which the receiver must send an Event Report Result message.

CMD_GET: The Get operation is used to request attribute values of managed objects. The receiver responds with a Get Result message.

CMD_SET: The Set operation is used to set values of managed objects.

CMD_CONFIRMED_SET: The Confirmed Set operation is used to set attribute values of managed objects. The receiver responds with a Set Result message.

CMD_CONFIRMED_ACTION: The Confirmed Action is a message to invoke an activity on the receiver side. The receiver must send an Action Result message.

For confirmed messages, the receiver must send the appropriate result message. For both the confirmed and unconfirmed Event Report, an *EventReportArgument* is appended.

If the result message is not received within 3 seconds, the monitor resends the message. If the message has not been confirmed after sending it 3 times (2 resend tries), the association is aborted by the monitor.

Event Report

The Event Report command (CMD_EVENT_REPORT) is used for unsolicited messages from the sending device to the receiving device. It is appended to the Remote Operation Invoke message. In the Protocol the Event Report may require a response from the receiver (if a response is required, the CMD_CONFIRMED_EVENT_REPORT Command identifier is used).

The Event Report message uses the following data structure:

```
typedef struct {
   ManagedObjectId managed_object; /* ident. of sender */
   RelativeTime event_time; /* event time stamp */
   OIDType event_type; /* identification of event */
   u_16 length; /* size of appended data */
} EventReportArgument;
```

managed_object

Identifies the object that generates the unsolicited Event Report command.

· event time

The relative time (in 1/8ms time ticks) of the event.

event_type

Identifies the event type and thus the data structure that is appended.

length

This field defines the remaining number of bytes in the message (which is the size of the event specific data appended to this data structure).

Event-specific data is appended to the data type.

Event Report Result

The Event Report Result command is used as a response message to the Event Report message. It is appended to the Operation Result message with the *command_type* CMD_CONFIRMED_EVENT_REPORT.

The Event Report Result uses the following data structure:

```
typedef struct {
   ManagedObjectId managed_object; /* mirrored from EvRep */
   RelativeTime current_time; /* result time stamp */
   OIDType event_type; /* identification of event */
   u_16 length; /* size of appended data */
} EventReportResult;
```

• managed_object

Identifies the object to which the response is sent back. This field must be mirrored back from the Event Report message.

• event time

The relative time (in 1/8ms time ticks) of the event result.

event_type

Identifies the event type and thus the data structure that is appended. This field must contain the same value as the Event Report.

length

This field defines the remaining number of bytes in the message (which is the size of the event specific result data appended to this data structure).

Event-specific data is appended to the data type.

Action

The ACTION command (CMD_CONFIRMED_ACTION) is used to call a Protocol specific method in the receiver. The Protocol uses this command to call the *Data Poll* method which returns device data. The ACTION command is appended to the Operation Invoke message.

The Action command uses the following data structure:

• managed_object

Identifies the object to which the ACTION command is sent.

scope

Contains a fixed value 0 in this version of the protocol.

• action_type

Identifies the specific method that should be called (and thus the data type that is appended to this data structure).

NOM_ACT_POLL_MDIB_DATA is used for a Single Poll Data Request.

NOM_ACT_POLL_MDIB_DATA_EXT is used for an Extended Poll Data Request

length

This field defines the remaining number of bytes in the message (which is the size of the method specific data appended to this data structure).

Method-specific data is appended to the data type.

Action Result

The Action Result command is used as a response message to the Action message. It is appended to the Operation Result message or an Operation Linked Result message (if the size of the returned data exceeds a maximum message size). The *command_type* is set to CMD_CONFIRMED_ACTION.

The Action Result uses the following data structure:

```
typedef struct {
    ManagedObjectId managed_object;
    OIDType     action_type;    /* identification of method */
     u_16     length;    /* size of appended data */
} ActionResult;
```

managed_object

Identifies the object that responds to the ACTION command (usually mirrored from ACTION command).

• action_type

Identifies the specific method that was called (and thus the data type that is appended to this data structure).

• length

This field defines the remaining number of bytes in the message (which is the size of the method specific result data appended to this data structure).

Method-specific data is appended to the data type.

Get

The Get command (CMD_GET) specifies attributes that should be returned. It is appended to an Operation Invoke message.

The Get command uses the following data structure:

managed_object

Identifies the object to which the Get command is sent.

• scope

Contains a fixed value 0 in this version of the protocol.

• attributeIdList

Contains the list of attribute identifiers.

Get Result

The Get Result is returned in response to the Get command. It is appended to an Operation Result or Operation Linked Result message.

The Get Result uses the following data structure:

• managed_object

Identifies the object that responds to the Get command.

attributeList

Contains the requested attributes.

Set

The Set command (CMD_SET) or Confirmed Set command (CMD_CONFIRMED_SET) specifies attributes that should be added, replaced, or removed. It is appended to an Operation Invoke message.

The Set command uses the following data structures:

```
ModificationList modificationList;
} SetArgument;
```

managed_object

Identifies the object to which the Get command is sent.

• scope

Contains a fixed value 0 in this version of the protocol.

modificationList

Contains the attribute ids and values to be modified.

```
typedef struct {
                            count;
       u 16
       u_16
                            length;
       AttributeModEntry value[1];
} ModificationList;
typedef struct {
       ModifyOperator
                          modifyOperator;
       AVAType
                            attribute;
} AttributeModEntry;
typedef u_16
                   ModifyOperator;
#define ADD_VALUES
                                   Ω
                                   1
#define REMOVE VALUES
                                   2
#define SET TO DEFAULT
                                   3
```

Set Result

The Set Result is returned in response to the Confirmed Set command. It is appended to an Operation Result or Operation Linked Result message.

The Set Result uses the following data structure:

managed_object

Identifies the object that responds to the Set command.

attributeList

Contains all modified attributes.

Command Structure Summary

The following diagram shows how the different generic Protocol Command command structures are built from the different data type definitions that were introduced in this section.

SPpdu								
ROapdus								
ROIVapdu		RORSapdu ROLRSapdu		ROERapdu				
Event Report Argument	Action Argument	Get Argument Set	Event Report Result	Action Result	Get Result Set Result	Error Data		
Event Data	Action Data	Argument	Event Result Data	Action Result Data				

From this generic message structure the specific Protocol Command messages introduced in "Protocol Dialog" on page 25 are derived by:

- Defining identifier codes for the supported specific Event Report and Action types. These identifier codes are the values of the *event_type* and *action_type* fields.
- Defining the specific Event Data and Action Data data types for these Event Report and Action types.

Protocol Commands

This section describes the actual commands as constructed from the building blocks. Consult the "Command Structure Summary" on page 51 as a reference.

Notation

The Protocol Commands are constructed from the data types previously defined. A generic protocol machine must parse the individual elements of a command message separately, so in this chapter a special notation is used to define how the command messages are constructed (rather than defining composite C data type definitions).

Example:

This notation means that an MDS Create Event Report Command message is constructed from the individual data types listed in the < > brackets, which are C data types. Some elements of these data types have specific values. E.g. the *ro_type* field in the *ROapdus* data type has the value *ROIV_APDU*.

Additional data structures for appended event specific or method specific data are defined in the usual C type definition notation.

Most of the elements of the command messages contain length fields. You must take care to correctly set and parse these fields so that the message can be correctly parsed.

Device Discovery Messages

The Device Discovery messages lets the client locate new monitor devices in the network without prior knowledge of their IP address. The IntelliVue monitor only *sends* a Device Discovery on the LAN interface. This message is not available on the MIB/RS232 interface.

CONNECT INDICATION EVENT

The Connect Indication Event message is a sub-net-wide broadcast message in the normal Event Report format. It is sent to the port 24005.

The monitor resends the Connect Indication message as long as no logical connection to a central station has been established. The connection of a Data Export Computer Client does not stop the transmission of Connect Indication messages.

The monitor uses the retransmit strategy described in RFC 951. The initial resend period is 4 seconds, and this is doubled with each resend. The maximum resend period is approximately 64 seconds. The actual resend period contains a random component to avoid network congestion, e.g., after a power failure.

The UDP checksum in the Connect Indication message may be set to 0, indicating that no checksum has been calculated.

The Connect Indication message has the following structure:

The nomenclature starts with two bytes 0x0, followed by one byte major and one byte minor version.

```
typedef AttributeList ConnectIndInfo;
```

See the section "Connect Indication Attributes" on page 107 for a list of attributes contained in the appended attribute list.

The Computer Client should parse the *ConnectIndInfo* to find out about the port for the Data Export protocol. The Computer Client must send requests to the port that is specified for the Data Export protocol.

The Computer Client application can run on any free local port, but must not change the port during the association (refer to "Definition of the Association Control Protocol" on page 65 for more information).

Connection Startup

After the logical connection has been established between the monitor and the Computer Client, the monitor sends the MDS Create Event message to announce version and status information.

MDS CREATE EVENT

The MDS Create Event describes the software and hardware configuration of the monitor. The Computer Client should parse this message to learn about the system configuration.

The MDS Create Event message has the following structure:

The MDS Create Information uses the following C type definition:

managed_object

Identifies the MDS object. Contents is the same as in the *managed_object* field in the Event Report structure.

· attribute list

The attached *attribute_list* contains the monitor MDS attributes from the System Identification and from the System Application Attribute Group. See "Wave Objects" on page 82 for a list of all attributes.

Depending on the protocol and the protocol options which were negotiated when the association was established, the monitor may map its internal data representation to a representation which is supported by the negotiated protocol. Hence, the Connect Indication message may describe the system differently from the MDS Create Event message. In the case of differences, the MDS Create Event is the relevant message.

The MDS Create Event message contains both the "Date and Time" and the "Relative Time" attributes. The Computer Client can use this data to make a mapping from the relative time to the absolute time of the monitor. The Computer Client should regularly check if the mapping is still valid by sending a Single Poll Data Request for the MDS attributes ("SINGLE POLL DATA REQUEST" on page 55).

If the size of the Event Report (Event Report Result + Event Result Data) exceeds the size of a maximum message (MTU - Maximum Transmit Unit), multiple messages are sent. Each of these messages is sent as a single Event Report.

The Computer Client must confirm the MDS CREATE EVENT with a MDS CREATE EVENT RESULT message, otherwise the association will be aborted by the monitor. The MDS CREATE EVENT message is resent with a period of about 3 seconds. The association is aborted if the Event message has been sent 3 times without receiving a confirmation.

When the MDS Create Event message is resent, it has the same invoke ID as the original message.

MDS CREATE EVENT RESULT

As the MDS Create Event Report is a confirmed operation, the Computer Client must send a MDS Create Event Result message to confirm it.

The reply message has the following structure:

As the MDS Create Event Result message does not contain any appended additional information, the length of the appended information is set to 0.

The result message must have the same *invoke_id* as the event message.

Specific Data Access Commands

The following protocol commands are used to access the different types of data in the monitor.

SINGLE POLL DATA REQUEST

This message can be sent as soon as the logical connection is established and the MDS Create Event/ Reply message sequence is finished. The message calls a method that returns monitor device data in a single response message.

The message has the following structure:

```
MDSPollAction ::=
    <SPpdu>
    <ROapdus (ro_type := ROIV_APDU)>
    <ROIVapdu (command_type := CMD_CONFIRMED_ACTION)>
    <ActionArgument
        (managed_object := {NOM_MOC_VMS_MDS, 0, 0},
            action_type := NOM_ACT_POLL_MDIB_DATA)>
    <PollMdibDataReq>
```

The *managed_object* must be the same as the *managed_object* in the MDS Create Event message. This is the top level object which actually implements the Data Export protocol.

The appended *PollMdibDataRequest* has the following data type:

poll_number

This field will be sent back in the response message. It is recommended to use this field as a counter.

polled_obj_type

Defines which objects (Numerics or Alarms or MDS or Patient Demographics) is polled.

The following is a list of supported objects and their corresponding TYPE values:

NUMERICS:	partition:	0x0001
	code:	NOM_MOC_VMO_METRIC_NU
WAVES:	partition:	0x0001
	code:	NOM_MOC_VMO_METRIC_SA_RT
ALERTS:	partition:	0x0001
	code:	NOM_MOC_VMO_AL_MON
Pat.Demog:	partition:	0x0001
	code:	NOM_MOC_PT_DEMOG
MDS:	patition:	0x0001
	code:	NOM_MOC_VMS_MDS

The codes are taken from the Object Oriented Elements partition of the nomenclature (see "Object Classes" on page 111).

polled_attr_grp

Defines which set of attributes is polled. For more information on the supported attribute groups and their contents, please refer to the section "Attribute Data Types and Constants Used" on page 75.

The monitor specifies limits on the maximum frequency for incoming SINGLE POLL DATA REQUEST messages. If the Computer Client sends messages with a frequency above the limit, some of the messages will be ignored (no response is sent). Separate limits are calculated for each object.

The IntelliVue monitor will process a maximum of one POLL DATA REQUEST messages for each object type per second. An additional POLL DATA REQUEST for Numeric Observed Values is allowed.

SINGLE POLL DATA RESULT

This message is sent by the monitor in response to the Single Poll Data Request.

The message has the following structure:

The appended *PollMdibDataReply* is constructed from the following data types:

• The *PollMdibDataReply* structure is the top level data structure returned in the Single Poll Data Result message. It contains the following fields:

• poll_number

The poll number field contains the value of the same field in the Poll Request message.

rel_time_stamp

The Relative Time Stamp is a high resolution time stamp that represents the system time when the event message is sent by the monitor.

For Numerics, the Relative Time Stamp denotes the time, when the Numeric measurement was generated. It may contain 0 if no measurement has been made yet.

abs_time_stamp

The monitor does not support Absolute Time Stamps in the Poll Data Result. All fields contain 0xff. If the Computer Client needs Absolute Time Stamps, it should use the corresponding MDS attributes ("Relative Time" and "Date and Time" to map the rel_time_stamp to an *abs_time_stamp*.

polled_obj_type

Defines for which objects (Numerics or Alarms or MDS or Patient Demographics) data is returned in the Poll Result message.

polled_attr_grp

Defines which set of attributes is returned in the Poll Result message.

• poll info list

This structure contains the attribute values of the objects included in the poll.

The Poll Info List is an array structure where each *SingleContextPoll* element contains the poll result data of one naming context.

count

Number of Single Context Poll structures that are appended.

length

Size in bytes of the appended Single Context Poll structures.

• value

This field is a placeholder field only. It represents the specified number of appended Single Context Poll structures.

The Single Context Poll structure contains polled data of all object instances within one unique naming context (IntelliVue monitor supports multiple naming contexts). It contains the following fields:

· context id

The *context_id* field is used when the sourcing device represents multiple physical devices, so that the Handle attribute would not allow a unique identification of the object instance.

poll_info.count

This field contains number of appended Observation Poll structures.

· poll_info.length

This field contains the length in bytes of the appended list of Observation Poll structures.

• poll info.value

This field is a placeholder field only. It represents the specified number of appended Observation Poll structures.

The ObservationPoll represents the polled data of one object instance. It contains the following fields:

```
typedef struct {
    Handle obj_handle;
    AttributeList attributes;
} ObservationPoll;
```

• obj_handle

The handle identifies the object instance. It is used to identify the object in different Poll Reply Messages.

attributes

The attributes field is a list structured field containing the values of the polled object attributes. For a list of supported object attributes, see the chapter on "Attribute Data Types and Constants Used" on page 75.

If the size of data returned for a Poll Result (Action Result + Action Result Data) exceeds the size of a maximum message (MTU - Maximum Transmit Unit), multiple messages are returned. These messages use the Remote Operation Linked Result mechanism ("Remote Operation Linked Result" on page 44). This means that in all result messages except the last result message the *ROLRSapdu* is used instead of the *RORSapdu*).

When the Linked Result mechanism is used, the monitor may send the terminating Remote Operation Result message with an empty *PollInfoList* (count and length fields of the *PollInfoList* set to 0). It also may send Linked Result messages with one empty SingleContextPoll (count and length field of the *SingleContextPoll* set to 0).

EXTENDED POLL DATA REQUEST

The Extended Poll Data Request allows the following extensions of the Single Poll Data Request:

- Access 12 second, 1 minute and 5 minute averaged Numerics.
- · Access wave data
- Request periodic Poll Replies without sending a Poll Request every time.
- Request that only a limited number of objects is encoded within a Poll Result

The Extended Poll Data Request message is only allowed, if the Poll Profile Extensions optional package has been negotiated during the association phase. For more information on the negotiation of optional packages see the sections "Association Request Message" on page 67 and "Association Response Message" on page 73.

The message has the following structure:

The appended *PollMdibDataRequestExt* has the following data type:

poll_number

This field will be sent back in the response message. It is recommended to use this field as a counter. See also the section "EXTENDED POLL DATA RESULT" on page 61 for more information about the handling of *poll_number*.

polled_obj_type
 Defines for which objects data is returned in the Poll Result message. The Extended Poll Data
 Request message only allows the polling of Numerics, Waves and the Alert Monitor.

- polled_attr_grp
 Defines which set of attributes is returned in the Poll Result message.
- poll_ext_attr
 The appended AttributeList allows to define additional options.

Accessing 12 second, 1 minute and 5 minute averaged Numerics

Within the Poll Profile Extensions optional package, the Computer Client and the monitor have negotiated which data source (real-time or averaged) is used to obtain the Numeric data (refer to the chapter "Definition of the Association Control Protocol" on page 65 for more information on how to negotiate optional packages). Currently, the monitor allows the specification of one data source for Numeric data.

The monitor responds to an Extended Poll Data Request message with an Extended Poll Data Result message, which contains the Numeric data from the source specified in the Poll Profile Extensions optional package.

The normal Poll Data Request message always returns data from real-time measurements. If another data source has been negotiated in the Poll Profile Extensions optional package, the Poll Data Request message will fail, if no data from real-time measurements is available.

The *poll_ext_attr AttributeList* in the Extended Poll Data Request message allows to specify additional options. Currently, the following attributes are supported:

Attribute: Time Periodic Data Poll

The Time Periodic Data Poll attribute allows to request periodic Poll Replies for a given time.

```
Attribute ID: NOM_ATTR_TIME_PD_POLL
Attribute Type: PollDataReqPeriod
Attribute Groups: -
Availability: Optional
```

The PollDataReqPeriod is defined as follows:

```
typedef struct {
    RelativeTime active_period;
} PollDataReqPeriod;
```

The active_period specifies the time for which the monitor will send periodic Poll Replies.

The AttributeList Structure may contain additional attributes, e.g. in future releases.

If the Computer Client adds the Time Periodic Data Poll attribute to the Extended Poll Data Request message, the monitor sends periodic Extended Poll Data Result messages for the time specified in the attribute.

Data Source	Result Period
real-time waves	256ms
real-time measurements	1s
12 secound averaged data	6s
1 minute averaged data	30s
5 minute averaged data	150s
alert data	1s

When the monitor receives an Extended Poll Data Request message, the first result message is sent immediately as a confirmation. It has the sequence number zero (see below). This allows the Computer Client to detect that its request was successful. The following messages are sent with the period specified in the table above.

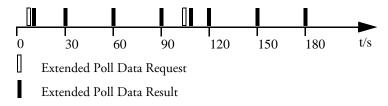


Figure 2 Period of Extended Poll Replies

The Computer Client should send a new Extended Poll Request before the time specified in the Time Periodic Data Poll attribute has expired. Each new Extended Poll Request is confirmed with an immediate Extended Poll Result message. However, the basic period of the replies is continued as illustrated in Figure 2 for 1 minute averaged data.

If the Computer Client uses the Extended Poll Request to access Realtime Numerics, it may happen that the monitor needs more than 1 second to encode all the data for the numerics (e.g. systems with a huge number of measurement modules). In this case the Poll Results will be sent at the highest possible frequency.

Limiting the Number of Objects in the Poll Result

In some cases, a Computer Client may want to limit the number of objects which are contained in a Poll Result. If the IntelliVue monitor is connected to a large number of measurement modules, a Poll Request for numerics will result in a large amount of data being sent from the IntelliVue monitor to the Computer Client.

Attribute: Number of Prioritized Objects

The attribute Number of Prioritized Objects specifies the maximum number of objects which will be encoded in the Poll Result.

```
Attribute ID: NOM_ATTR_POLL_OBJ_PRIO_NUM
Attribute Type: u_16
Attribute Groups: -
Availability: Optional
```

Based on an internal priority table, the IntelliVue monitor determines which objects will be added to the Poll Result. The priority table is constructed in the background, if the system configuration changes, it may take up to two minutes until the table has been updated. During this transition phase, the Poll Results sent by the monitor may contain less than the requested number of objects.

EXTENDED POLL DATA RESULT

When the monitor receives an Extended Poll Data Request message, it responds with a single or periodic Extended Poll Data Result messages.

The message has the following structure:

The *PollMdibDataReplyExt* is defined as follows:

The *PollMdibDataReplyExt* structure is the top level data structure returned in the Extended Poll Data Result message. The appended data has the same structure as for the Single Poll Data Result.

The *PollMdibDataReplyExt* structure contains the following fields:

poll_number

The poll number field contains the value of the same field in the Extended Poll Request message.

• sequence_number

The *sequence_number* is set to 0 when a new Extended Poll Data Request message is received. The monitor increases it with each periodic result message. This field allows the Computer Client to verify the sequence of the received result messages.

rel_time_stamp

The Relative Time Stamp is a high resolution time stamp that represents the system time when the event message is sent by the monitor.

For Numerics, the Relative Time Stamp denotes the time when the Numeric measurement was generated. It may contain 0 if no measurement has been made yet.

For Waves, the Relative Time Stamp denotes the beginning of the 256ms result period for real-time waves.

abs_time_stamp

The monitor does not support Absolute Time Stamps in the Poll Data Result. All fields contain 0xff. If the Computer Client needs Absolute Time Stamps, it should use the corresponding MDS attributes ("Relative Time" and "Date and Time" to map the rel_time_stamp to an abs_time_stamp).

• polled_obj_type

Defines for which objects (Numerics or Alarms or MDS or Patient Demographic) data is returned in the Poll Result message.

polled_attr_grp

For more information on the supported attribute groups and their contents, please refer to the section "Attribute Data Types and Constants Used" on page 75.

poll_info_list

This structure contains the attribute values of the objects included in the poll.

Keep Alive Message

The monitor closes an association if it does not receive any protocol commands within a specified time (see "Definition of the Association Control Protocol" on page 65 to learn how the limit for a timeout is negotiated). If the Computer Client sends messages with a very low frequency (e.g. when using the extended poll mechanism) it must send a keep alive message to prevent the monitor from closing the association.

It is suggested that the Computer Client sends a Poll Data Request message for this purpose. This has the advantage that the message is confirmed and the Computer Client can detect a possible loss of the message. The Computer Client should chose a Poll Request which results in as little processing overhead as possible.

A suitable keep alive message would be a Poll Request for the Alert Monitor object, requesting the VMO Static Context Attribute group. The associated Poll Result sent by the monitor is a short message.

Specify Objects in the Poll Result

The Get and Set operations can be used to specify wave objects or numeric objects to be reported within the Poll Results.

There is a default priority list which depends on an internal priority table and the current system configuration. For wave objects and numeric objects, the default list can be replaced by a user defined priority list.

Due to the high amount of data it is always recommended to specify the required wave objects before requesting wave data.

NOTE Software versions < E.0 may have limited support of this command.

GET PRIORITY LIST REQUEST

The message has the following structure:

The Get argument's *AttributeIdList* specifies the attribute identifiers:

- NOM_ATTR_POLL_RTSA_PRIO_LIST Wave object priority list.
- NOM_ATTR_POLL_NU_PRIO_LIST Numeric object priority list.

GET PRIORITY LIST RESULT

This message is sent in response to the Get Priority List Request.

The message has the following structure:

The Get result's *AttributeList* contains the requested attribute identifiers and values. The *TextIdList* structure is used to define the wave object priority list:

The array of *TextIds* specifies the objects by their label, as returned in the dynamic context.

SET PRIORITY LIST REQUEST

The message has the following structure:

The Set argument's *ModificationList* specifies the modify operations, attribute identifiers, and new values (if needed).

For the REPLACE operation, a wave object priority list attribute with modified *TextIdList* structure is attached.

For the SET_TO_DEFAULT operation, there is an empty attribute (*length* is 0)attached.

The ADD_VALUES and REMOVE_VALUES operations are not supported.

SET PRIORITY LIST RESULT

This message is sent in response to the Set Priority List Request.

The message has the following structure:

The Set result returns the modified AttributeList, as defined above.

Definition of the Association Control Protocol

Protocol Command Structure

The Protocol messages to establish the logical connection (association) between the monitor and a Computer Client follow the definitions of the ACSE Standard (ISO/IEC 8649 and ISO/IEC 8650), with some proprietary extensions.

All Association Control Commands share a common structure as shown here:

Session Header
Session Data
Presentation Header
User Data
Presentation Trailer

Figure 3 Protocol Commands for Association Control

For some messages, the Session Data and the User Data block may be empty.

A Computer Client can use the pre-defined building blocks for the Session Data, Presentation Header, and Presentation Trailer listed in the appendix to conveniently build valid messages ("Association Control Protocol Examples" on page 332 for a list of building blocks). Only the User Data block of the Association Request must be filled with Computer Client-specific data.

Protocol Commands

Protocol Command messages as defined in this section are the data structures that are transported within the transport layer messages.

The following commands are used to manage a logical connection between a Computer Client and a monitor:

- Association Request Message
- Association Response Message
- Refuse Message
- Release Request Message

- Release Response Message
- · Abort Message

The Association Request message is sent from the Computer Client to the monitor when it wants to establish a new association. The *AssocReqUserData* contains information about the requested protocol and protocol options.

The Association Response message is sent by the monitor if an Association Request message was parsed successfully and the association is accepted.

If the Association Request message is corrupt, or if the association cannot be accepted (e.g. there is already another association), the monitor sends a Refuse message.

When the Computer Client wants to terminate an association, it can send a Release Request message.

When the monitor receives a Release Request message, it sends a Release Response message as confirmation. The Release Response message indicates that the association has been terminated.

The Abort message terminates an association without further confirmation. For example, the monitor sends an Abort message if an association is timed out (no communication from the Computer Client).

Session Headers

The Session Headers can be used to identify the protocol commands. Each Session Header type maps to one protocol command.

The Session Header occupies the first bytes of the message. It is defined as follows:

```
typedef struct {
   u 8
           type;
   define CN SPDU SI
  define AC_SPDU_SI
                                   0x0E
  define RF SPDU SI
                                   0x0C
   define FN SPDU SI
                                   0 \times 09
   define DN SPDU SI
                                   0x0A
   define AB SPDU SI
                                   0x19
           length;
} SessionHeader;
```

The *type* has the following meaning:

CN_SPDU_SI: A Session Connect header. The message contains an Association Request.

AC_SPDU_SI: A Session Accept header. The message contains an Association Response, indicating that the association has been established.

RF_SPDU_SI: A Session Refuse header. An association could not be established.

FN_SPDU_SI: A Session Finish header. The message contains a Release Request, indicating that the association should be terminated.

DN_SPDU_SI: A Session Disconnect header. The message contains a Release Response, indicating that the association has been terminated.

AB_SPDU_SI: A Session Abort header. The message contains an Abort message, indicating the immediate termination of the association.

If the first byte is 0xE1, the message is a Data Export Protocol command message (see "Definition of the Data Export Protocol" on page 35).

The *LI* field contains the length of the appended data (including all presentation data). The length encoding uses the following rules:

- If the length is smaller or equal 254 bytes, LI is one byte containing the actual length.
- If the length is greater than 254 bytes, LI is three bytes, the first being 0xff, the following two bytes containing the actual length.

Examples:

```
L = 15 is encoded as 0x0f
L = 256 is encoded as \{0xff,0x01,0x00\}
```

Message Encoding

The following section describes how a Computer Client can use the building blocks in the section "Association Control Protocol Examples" on page 332 to format correct Association Control messages.

Association Request Message

For the Association Request message, only the Session Header and the User Data must be filled out individually, as they contain variable data.

When using the building blocks, the presentation context ID for the Data Export Protocol is set to 2. This ID is sent in the SPpdu of all Data Export Protocol Commands.

The Session Header of the Association Request Message is defined as follows:

The length field in the Session Header must be set to the total length of the all appended data (including the presentation trailer).

Also the length field of the Presentation Header must be set to the total length of the appended message after this field. The field starts at the 2nd byte of the Presentation Header. It has the same format as the length field in the Session Header.

The User Data contains a specification of the requested protocol and protocol options. It is defined as follows:

The ASNLength contains the length of the MDSEUserInfoStd. It uses the following encoding rules:

- if the length is less or equal to 127, ASNLength is one byte, containing the actual length.
- if the length is greater than 127, *ASNLength* is several bytes long. The most significant bit (bit 0) of the first byte is set to 1, the bits 1 to 7 indicate the number of bytes which are appended to encode the actual length.

Examples:

```
L = 15 is encoded as 0x0f
L = 256 is encoded as {0x82,0x01,0x00}
```

The MDSEUserInfoStd is defined as follows:

The Computer Client must fill out the MDSEUserInfoStd data structure. It specifies the protocol versions and options the Computer Client supports. The monitor parses the MDSEUserInfoStd and constructs an Association Response message, which also contains a MDSEUserInfoStd data structure. The Association Response specifies which protocol versions and options will be used for the session.

The *ProtocolVersion* is a bit field containing the supported versions of the Data Export protocol. The Computer Client must set the bits for each version is supports. The monitor checks the supported versions and returns the bit for the highest commonly supported protocol version. If no matching version is found, the Association Request is refused.

The *NomenclatureVersion* is a bit field containing the revision of the nomenclature which is used to name objects and their attributes. The Computer Client must set the bits for each version is supports. The monitor checks the supported versions and returns the bit for the highest commonly supported nomenclature version. If no matching version is found, the Association Request is refused.

```
typedef u_32 NomenclatureVersion;
#define NOMEN_VERSION 0x40000000;
```

The *FunctionalUnits* is used to activate additional protocol functions. The Computer Client must set the bit for each functional unit it supports. The monitor checks the supported functional units and returns the bits for all commonly supported units (bitwise AND). No additional protocol functions have been defined yet.

```
typedef u 32 FunctionalUnits;
```

The *SystemType* is a bit field indicating whether the device is a Computer Client or a server. The Computer Client must set the SYST_CLIENT bit and the monitor will return the SYST_SERVER bit. If the SYST_CLIENT bit is not set in the Association Request, the association is refused.

```
typedef u_32 SystemType;
#define SYST_CLIENT 0x80000000
#define SYST SERVER 0x00800000
```

The *StartupMode* is used to indicate the startup mode of the Computer Client and the monitor respectively. The monitor sets the bit for the startup mode which was used for the last reboot.

If the monitor performs a COLD_START, all device settings are reset to the factory defaults. The configurations of the measurements might have changed and the patient data is lost.

The startup mode WARM_START and HOT_START indicate that configuration was not reset during the last restart.

The *option_list* can be used to negotiate additional protocol options in the form of an *AttributeList*. Currently, no further options are supported.

The *option_list* has a variable length. The offset of the *supported_aprofiles* field depends on the length of the *option_list*.

The *supported_aprofiles AttributeList* is used to define the available application profiles. An application profile specifies a set of protocol commands that is supported by the system. The Computer Client must add an entry for each supported profile to this list. The monitor parses the *supported_aprofiles* and returns the first profile in the list that is supported. If none of the profiles is supported, the Association Request is refused. The monitor supports the following profile:

Attribute: Poll Profile Support

The Poll Profile Support attribute contains the specification of the polling profile supported by the system.

```
Attribute ID: NOM_POLL_PROFILE_SUPPORT
Attribute Type: PollProfileSupport
Attribute Groups: -
```

The *PollProfileSupport* is defined as follows:

The *PollProfileRevision* is a bit field containing the supported versions of the Polling Profile. The Computer Client must set the bits for each version it supports. The monitor checks the supported versions and returns the bit for the highest commonly supported profile version. If no matching version is found, the profile is not supported.

The *min_poll_period* specifies the minimum period with which the Computer Client wants to poll. If the monitor supports the requested poll period, it will return the value, otherwise it will return the minimum poll period it supports. The Computer Client should not send poll requests with a higher period than the negotiated value. For more information on poll periods, refer to the section "SINGLE POLL DATA REQUEST" on page 55.

The *min_poll_period* is also used to specify association time-outs. If the monitor does not receive any messages from the Computer Client within a given time, it sends an Abort message and terminates the association. The time-out periods depend on the negotiated *min_poll_period*, they are listed in the table below.

min_poll_period	Association Time out
< 3.3s	10s
3.3s 43s	3*min_poll_period
> 43s	130s

The *max_mtu_rx* and *max_mtu_tx* fields contain the maximum size (MTU - Maximum Transport Unit) for protocol commands (the size of the protocol command is the size of the data appended after the Remote Operation Header).

The MTU negotiation uses the following procedure:

- The Computer Client determines the maximum size of a protocol command it can send and receive.
- The Computer Client sets <code>max_mtu_tx</code> to the maximum size it can transmit (i.e. the monitor should provide receive capabilities for messages of this size) and the <code>max_mtu_rx</code> to the maximum size it can receive (i.e. the monitor should not send larger commands).
- The monitor determines the maximum size of a protocol command it can send and receive.
- The monitor sets <code>max_mtu_tx</code> to the maximum size the Computer Client is allowed to transmit (this is the minimum of the <code>max_mtu_tx</code> the Computer Client requested and the message size the monitor <code>can receive</code>). The monitor sets <code>max_mtu_rx</code> to the maximum size the client must be able to receive (this is the minimum of the <code>max_mtu_rx</code> the Computer Client requested and the message size the monitor <code>can send</code>).

Example:

- The Computer Client can send 800 bytes and receive 500 bytes of user data in one message.
- The Computer Client sets max_mtu_tx to 800 and max_mtu_rx to 500.
- The monitor can send 700 bytes and receive 600 bytes in one message.
- The monitor sets *max_mtu_tx* to 600 bytes (the monitor cannot receive larger messages) and *max_mtu_rx* to 500 bytes (the Computer Client can not receive more than 500 bytes in a message).

The IntelliVue monitor requires that the Computer Client can receive protocol commands of at least 300 bytes. Otherwise the profile is not supported. Smaller command sizes would lead to a considerable communication overhead. The largest negotiable MTU is 1364 bytes for the LAN interface and 1000 Bytes for the MIB/RS232 interface. The resulting size of the data packets may be larger than the MTU, because the MTU covers only the size of the Command Header and the Command Specific Data.

It is recommended that the Computer Client uses a large MTU. This reduces processing overhead and in most cases avoids splitting of messages.

For wave data export, the Computer Client needs to be able to receive observed values with 256 ms of wave data in one message. The MTU should be at least 500 bytes (700 bytes with multiplexed context).

The *max_bw_tx* contains the estimated maximum transmit bandwidth which will be used. The monitor fills in the maximum transmit bandwidth it uses, the value 0xffffffff indicates that no estimation is possible (this is the default). The current software does not support bandwidth estimation.

The *PollProfileOptions* bit field is used to set additional profile options. The monitor sets the P_OPT_DYN_CREATE_OBJECTS and P_OPT_DYN_DELETE_OBJECTS bits to indicate that the number of internal objects (e.g. the number of Numerics) may change dynamically. The *PollProfileOptions* is defined as follows:

The *optional_packages AttributeList* allows the definition of additional options supported in the profile. The Computer Client must add an entry for each optional package it requests. The monitor checks the packages and adds an entry for each package it supports in the Association Response.

An attribute constitutes an optional package. The Poll Profile Extension is an optional package available for use.

Attribute: Poll Profile Extensions

The Poll Profile Extensions attribute specifies some extensions for the standard polling profile. For more information on how to use these extensions refer to the section "EXTENDED POLL DATA REQUEST" on page 58.

```
Attribute ID: NOM_ATTR_POLL_PROFILE_EXT
Attribute Type: PollProfileExt
Attribute Groups: -
```

The *PollProfileExt* is defined as follows:

```
typedef struct {
   PollProfileExtOptions options;
   AttributeList
                   ext attr;
} PollProfileExt;
typedef u 32 PollProfileExtOptions;
#define POLL EXT PERIOD NU 1SEC
                                         0x80000000
#define POLL EXT PERIOD NU AVG 12SEC
                                         0x40000000
#define POLL EXT PERIOD NU AVG 60SEC
                                         0x20000000
#define POLL EXT PERIOD NU AVG 300SEC
                                         0x10000000
#define POLL_EXT_PERIOD_RTSA
                                         0x08000000
#define POLL EXT ENUM
                                         0x04000000
#define POLL EXT NU PRIO LIST
                                         0x02000000
#define POLL EXT DYN MODALITIES
                                         0x01000000
```

The PollProfileExtOptions bit field defines available options for the Poll Profile Extensions package.

If the POLL_EXT_PERIOD_NU_1SEC bit is set, the Computer Client requests real-time measurements as source for Numeric data.

If the POLL_EXT_PERIOD_NU_AVG_12SEC bit is set, the Computer Client requests 12 second averaged data as source for Numeric data.

If the POLL_EXT_PERIOD_NU_AVG_60SEC bit is set, the Computer Client requests 1 minute averaged data as source for Numeric data.

If the POLL_EXT_PERIOD_NU_AVG_300SEC bit is set, the Computer Client requests 5 minute averaged data as source for Numeric data.

The Computer Client must set at least one of the bits for the numeric period, otherwise the optional package is ignored. Currently, the monitor supports only one source for an association. If more than one of the bits is set, the source with the smallest measurement period is selected. The monitor sets the corresponding bit in the Association Response message.

There may be only one active numeric source at a given time. If there is an active association on the LAN interface which has requested realtime numerics, it is not possible to establish another association on the MIB/RS232 interface which requests 1 minute averaged data. In this case, the association request would result in a refuse message.

If the POLL_EXT_PERIOD_RTSA bit is set, the computer client requests wave data. The patient monitor sets the corresponding bit in its response message to indicate wave data export capability.

The Computer Client must parse the Association Response message to find out whether the requested options have been accepted by the monitor.

If the POLL_EXT_ENUM bit is set, the computer client is allowed to request Enumeration objects.

If the POLL_NU_PRIO_LIST bit is set, the computer client is allowed to set the numeric priority list.

If the POLL_EXT_DYN_MODALITIES bit is set, the computer client gets all timestamps for metrics with dynamic modalities. They are not exported otherwise for compatibility reasons.

The *ext_attr AttributeList* is reserved for future extensions.

Release Request Message

The Release Request message does not contain variable data. It is sufficient for the Computer Client to use the building blocks listed in the section "Association Control Protocol Examples" on page 332.

Abort Message

The Abort message does not contain variable data. It is sufficient for the Computer Client to use the building blocks listed in the section "Association Control Protocol Examples" on page 332.

Message Parsing

In most cases, it is sufficient for the Computer Client to check the first byte of the association control message. The first byte defines the Session Layer header, which can be mapped to an Association Control command.

Association Response Message

The monitor sends the Association Response message if an association has been established successfully. The Computer Client must parse the User Data within this message to find out which protocol options have been negotiated.

The Computer Client should not assume that the same Association Request message will always lead to the same Association Response message. The internal state of the monitor might lead to different responses.

The Association Response message is identified by its Session Header:

When parsing the Association Response message, the Computer Client must find the beginning of the User Data. This can be done by identifying the following byte sequence within the message;

```
0xBE 0x80 0x28 0x80 0x81

or

0xBE 0x80 0x28 0x80 0x02 0x01 0x02 0x81

The User Data is defined as follows;
```

The last byte of the User Data must be followed by 16 bytes 0x00.

The *MDSEUserInfo* follows the same definitions as described above for the Association Request Message.

Refuse

The monitor sends a Refuse message if an Association Request message was not accepted, because it was formatted incorrectly or because the requested protocol and protocol options are not supported by the monitor.

A Refuse message is also sent, if the maximum number of concurrent associations has been reached. Currently, the monitor only supports one active association.

The Refuse messages is identified by its Session Header:

```
RefuseSessionHeader ::=
     <SessionHead (type := RF_SPDU_SI)>
```

Release Response

It is sufficient to check the Session Header to detect a Release Response message. The Session Header is defined as follows:

```
ReleaseRespSessionHeader ::=
      <SessionHead (type := DN_SPDU_SI)>
```

Attribute Data Types and Constants Used

The data types in this chapter are based on the data types introduced in the chapter "Definition of the Data Export Protocol" on page 35. Refer to this chapter for more information about the base data types.

All data types used in this guide assume that elements of structures are aligned on 2 byte boundaries. Many compilers use different alignment modes by default. Make sure that the compiler uses the right alignments when parsing and formatting protocol messages.

The Poll Reply messages may contain attributes which are not documented here. A Computer Client should ignore all unknown attributes.

With IntelliVue release G the nomenclature of some numeric and wave labels have been changed. The labels that previously resided in the namespace NOM_EMFC are now merged into the NOM_SCADA namespace and the new defined NOM_SETTING namespace.

At the end of this chapter is a mapping table to guide you through the transition.

Numeric Objects

Numeric Object Attributes

This section defines the attributes of the Numeric object, together with the attribute identifier codes and attribute data types.

Attribute: Handle

The Handle attribute identifies the Numeric object in the form of a numeric value. The Handle is unique within a device context (see Common Data Type - Global Handle). The actual value of the Handle attribute does not have a meaning. It is used for reference and relation purposes (e.g. Alert Monitor entries reference the Numeric object instance by means of the Handle).

Attribute ID: NOM_ATTR_ID_HANDLE

Attribute Type: Handle (see Definitions Shared by Protocols)

Attribute Groups: VMO Static Context Group

Availability: Mandatory

Attribute: Type

The Type attribute contains an identification of the object type.

```
Attribute ID: NOM_ATTR_ID_TYPE
Attribute Type: TYPE (see Definitions Shared by Protocols)
Attribute Groups: VMO Static Context Group
Availability: Mandatory
```

Attribute: Numeric Observed Value

The Numeric Observed Value attribute represents the (measured) value, along with state and identification data.

```
Attribute ID: NOM_ATTR_NU_VAL_OBS
Attribute Type: NuObsValue (see below)
Attribute Groups: Metric Observed Value Group
Availability: Conditional (either NuObsValue or NuObsValueCmp must be present)
```

The NuObsValue data type is defined as follows:

The *physio_id* (physiological identifier) field contains a nomenclature code from the SCADA partition that identifies the represented value (typically a physiological measurement).

The *unit_code* field contains a nomenclature code from the dimension nomenclature partition. It identifies the units of measure.

The *value* field is a floating point number with the actual value. Before interpreting the numeric value, the *state* must be checked. Only if *state* indicates a valid measurement, should the *value* field be interpreted.

The state field is a bit field structure (multiple bits can be set simultaneously) defined as follows:

```
typedef u 16
                       MeasurementState:
#define INVALID
                                 0x8000
#define QUESTIONABLE
                                 0x4000
#define UNAVAILABLE
                                 0x2000
#define CALIBRATION ONGOING
                                0x1000
#define TEST DATA
                                0x080x0
#define DEMO DATA
                                 0x0400
#define VALIDATED DATA
                                0x0080
#define EARLY_INDICATION
                                0x0040
#define MSMT ONGOING
                                0×0020
#define MSMT STATE IN ALARM
                                 0x0002
#define MSMT STATE AL INHIBITED 0x0001
```

The bits have the following meaning:

INVALID: The source detects a sufficient degradation to render the data meaningless.

QUESTIONABLE: A problem exists, but it is still appropriate to present the data. This occurs when (1) either the degradation in the data is marginal or (2) the source cannot make a definite judgement on the reliability of the data.

UNAVAILABLE: The signal does not permit derivation of the numeric in question. This could be a transient state (e.g. first breath detected after an apnea -> no rate available), or a continuous state (no etCO₂ detection possible on a flat CO₂ wave).

CALIBRATION_ONGOING: Parameter is currently being calibrated.

TEST_DATA: The signal is an automatically generated test signal only and is not a valid patient signal. If this bit is set, the value is not suitable for patient diagnosis.

DEMO_DATA: The monitor runs in demonstration mode, the signal is automatically generated and is not a valid patient signal. If this bit is set, the value is not suitable for patient diagnosis.

VALIDATED_DATA: The value has been manually validated.

EARLY_INDICATION: The value represents an early estimate of the actual signal (the Non-Invasive Blood Pressure measurement e.g. sets this bit as soon as it has derived a systolic value, even if mean and diastolic values are still missing).

MSMT_ONGOING: A new aperiodic measurement is currently ongoing.

MSMT_STATE_IN_ALARM: Indicates that the numeric has an active alarm condition

MSMT_STATE_AL_INHIBITED: Alarms are switched off for the numeric (crossed bell)

The measurement is valid if the first octet of the state is all 0.

Attribute: Compound Numeric Observed Value

The Compound Numeric Observed Value attribute represents multiple (measured) values modelled in one Numeric object, along with state and identification data.

The Compound Numeric Observed Value is e.g. used to represent Blood Pressure measurements. For these measurements, systolic, diastolic and mean values are represented by a single Numeric object.

```
Attribute ID: NOM_ATTR_NU_CMPD_OBS_VAL
Attribute Type: NuObsValCmp (see below)
Attribute Groups: Metric Observed Value Group
Availability: Conditional (either NuObsValue or NuObsValueCmp must be present)
```

The NuObsValueCmp data type is defined as follows:

The count field defines the number of *NuObsValue* elements in the structure. Note that the count field is variable, the number of elements may change over time. For a Blood Pressure measurement e.g there can be 3 values (systolic, diastolic, mean) or a single value only (mean only).

The length field defines the size of the array of NuObsValue structures in bytes.

The value field is a place holder for parsing.

Attribute: Absolute Time Stamp

The Absolute Time Stamp attribute is used to define a time tag for the current Numeric value. In the monitor, the attribute is used for aperiodic measurements only.

Attribute ID: NOM_ATTR_TIME_STAMP_ABS

Attribute Type: AbsoluteTime(see Definitions Shared by Protocols)

Attribute Groups: Metric Observed Value Group

Availability: Optional

Attribute: Relative Time Stamp

The Relative Time Stamp attribute is used to define a high resolution time tag for the current Numeric value.

Attribute ID: NOM_ATTR_TIME_STAMP_REL

Attribute Type: RelativeTime(see Definitions Shared by Protocols)

Attribute Groups: Metric Observed Value Group

Availability: Optional

Attribute: Label

The Label attribute is a 32 bit wide ID which represents the Numeric label string. The Label is unique for all numerics in the system.

Attribute ID: NOM_ATTR_ID_LABEL

Attribute Type: TextId

(see Protocol Common Definitions)

Attribute Group: VMO Dynamic Context Group

Availability: Optional

Attribute: Label String

The Label String attribute is a unicode string which contains the label string for a Numeric.

Attribute ID: NOM ATTR ID LABEL STRING

Attribute Type: String

(see Protocol Common Definitions)

Attribute Group: VMO Dynamic Context Group

Availability: Optional

The Label String does not contain the asterisk prefix displayed by the monitor to indicate whether a numeric has been manually entered. The client has to check the MetricCategory field of the MetricSpec attribute and add this prefix to obtain the identical label string that is displayed by the monitor.

Attribute: Display Resolution

The Display Resolution attribute is present if the resolution of the numeric shown on the display must be different from the resolution communicated in the Numeric Observed Value attribute. E.g. a Temperature is displayed with a resolution of 1/10, but the Observed Value is sent with a precision of 1/100 to get the necessary accuracy for differential temperatures. The Display Resolution attribute describes the format in which the value of a numeric is displayed on the screen.

Attribute ID: NOM_ATTR_DISP_RES Attribute Type: DispResolution

Attribute Group: VMO Dynamic Context Group

Availability: Optional

The *DispResolution* is defined as follows:

```
typedef struct
{
    u_8     pre_point;
    u_8     post_point;
} DispResolution;
```

The value of *pre_point* denotes the number of digits before the decimal point. The value of *post_point* denotes the number of digits after the decimal point.

Attribute: Color

The Color attribute describes the color in which a numeric is displayed on the screen.

```
Attribute ID: NOM_ATTR_COLOR
Attribute Type: SimpleColour
Attribute Group: VMO Dynamic Context Group
Availability: Optional
```

The SimpeColour is defined as follows:

```
typedef u_16 SimpleColour;
#define COL BLACK
#define COL RED
                       1
#define COL GREEN
#define COL YELLOW
                       3
#define COL_BLUE
#define COL MAGENTA
#define COL CYAN
#define COL_WHITE
                      7
                     20
#define COL PINK
#define COL ORANGE
                      35
#define COL_LIGHT_GREEN 50
#define COL LIGHT RED 65
```

Attribute: Metric Specification

The Metric Specification attribute describes static properties of a numeric.

```
Attribute ID: NOM_ATTR_METRIC_SPECN
Attribute Type: MetricSpec
Attribute Group: VMO Static Context Group
Availability: Mandatory
```

The *MetricSpec* is defined as follows:

The *update_period* is the minimum time between changes of the observed value.

The MetricCategory is defined as follows:

```
typedef u 16
                       MetricCategory;
#define MCAT UNSPEC
                                   0
#define AUTO MEASUREMENT
                                    1
#define MANUAL MEASUREMENT
                                    2
#define AUTO SETTING
                                   3
#define MANUAL SETTING
                                    4
#define AUTO CALCULATION
                                   5
#define MANUAL CALCULATION
#define MULTI_DYNAMIC_CAPABILITIES 50
#define AUTO ADJUST PAT TEMP
                                   128
#define MANUAL ADJUST PAT TEMP
                                   129
#define AUTO ALARM LIMIT SETTING
                                   130
```

It allows to distinguish between measurements, calculations and settings. The values have the following meaning:

MCAT_UNSPEC: not specified

AUTO_MEASUREMENT: automatic measurement MANUAL_MEASUREMENT: manual measurement

AUTO_SETTING: automatic setting MANUAL_SETTING: manual setting

AUTO_CALCULATION: automatic calculation, e.g. differential temperature

MANUAL_CALCULATION: manual calculation

MULTI_DYNAMIC_CAPABILITIES: this measurement may change its category during operation or may be used in various modes.

AUTO_ADJUST_PAT_TEMP: measurement is automatically adjusted for patient temperature MANUAL_ADJUST_PAT_TEMP: measurement manually adjusted for patient temperature AUTO_ALARM_LIMIT_SETTING: this is not a measurement, but an alarm limit setting

The *MetricAccess* bit field provides info on how the metric value can be accessed and when a measurement is available.

```
        typedef
        u_16
        MetricAccess;

        #define
        AVAIL_INTERMITTEND
        0x8000

        #define
        UPD_PERIODIC
        0x4000

        #define
        UPD_EPISODIC
        0x2000

        #define
        MSMT_NONCONTINUOUS
        0x1000
```

The values have the following meaning:

AVAIL_INTERMITTEND: The intermitted availability bit is set, if the observed values not always available (e.g. only if a measurement is explicitly started).

UPD_PERIODIC: observed value is updated periodically

UPD_EPISODIC: observed value is updated episodically (exactly one update mode (UPD_) must be set

MSMT_NONCONTINUOUS: indicates that the measurement is non continuous (this is different from the update mode)

The *MetricStructure* describes if the object represents a single measurement or multiple related measurements (an invasive blood pressure could be compound when it represents

a pulsatile pressure like ABP and derives systolic, diastolic, mean values)

ms_struct describes the structure of the object, 0 means simple, 1 means compound object.

ms_comp_no contains the maximum number of components in the compound, it contains 0 for simple objects.

The MetricRelevance is a 16 bit wide field for internal use only.

```
typedef u 16 MetricRelevance;
```

Attribute MetricModality

The MetricModality attribute describes metric properties of a numeric that may depend on the usage of the measurement device to obtain a measurement.

```
Attribute ID: NOM_ATTR_METRIC_MODALITY
Attribute Type: MetricModality
Attribute Group: Metric Observed Value Group
Availability: Mandatory
```

The MetricModality is defined as follows:

Attribute Groups

The attributes of the Numeric object are arranged in the following attribute groups:

```
VMO Static Context Group
Attribute Group:
Group ID:
                 NOM_ATTR_GRP_VMO_STATIC
Description:
                Static context of the object
Attributes:
                Type, Handle, Metric Specification
Attribute Group: VMO Dynamic Context Group
Group ID:
                 NOM ATTR GRP VMO DYN
Description:
                  Dynamic context of the object
Attributes:
                 Label, Label String, Color, Display Resolution
Attribute Group: Metric Observed Value Group
Group ID:
                 NOM ATTR GRP METRIC VAL OBS
                  Observed values of the object
Description:
Attributes:
                  Nu Observed Value,
                  Compound Nu Observed Value,
                  Absolute Time Stamp, Relative Time Stamp, MetricModality
```

Dynamic Context Changes

Internally, the IntelliVue monitor uses two different communication channels for attributes from the VMO Dynamic Context Group and the Metric Observed Value Group. This can lead to possible inconsistencies between these two attribute groups. Imagine that a Computer Client is polling all attribute groups. If the user changes the Label of a numeric (VMO Dynamic Context Group), the *physio_id* in the Nu Observed Value (Metric Observed Value Group) may be updated a short period later.

For real-time Numerics, this inconsistency is typically resolved after less than one second with the periodic update of the Observed Values. For averaged Numerics, the update of the Observed Values depends on the averaging period. It may be 12 seconds, 1 minute or 5 minutes.

Wave Objects

Wave Object Attributes

This section defines the attributes of the Wave object, together with the attribute identifier codes and attribute data types.

Attribute: Handle

The Handle attribute contains an identification of the wave object in the form of a numeric value. The actual value of the Handle attribute does not have a meaning. It is used for reference and relation purposes.

```
Attribute ID: NOM_ATTR_ID_HANDLE
Attribute Type: Handle (see Definitions Shared by Protocols)
Attribute Groups: VMO Static Context Group
Availability: Mandatory
```

Attribute: Type

The Type attribute contains an identification of the object type.

```
Attribute ID: NOM_ATTR_ID_TYPE
Attribute Type: TYPE (see Definitions Shared by Protocols)
Attribute Groups: VMO Static Context Group
Availability: Mandatory
```

Attribute: Metric Specification

The Metric Specification describes static properties of a metric object.

```
Attribute ID: NOM_ATTR_METRIC_SPECN
Attribute Type: MetricSpec
Attribute Groups: VMO Static Context Group
Availability: Mandatory
```

The *MetricSpec* is defined as follows:

```
typedef struct {
    RelativeTime update_period;
    MetricCategory category;
    MetricAccess access;
    MetricStructure structure;
    MetricRelevance relevance;
}
```

The *update_period* specifies the time between observed values.

MetricCategory, MetricAccess, MetricStructure, and MetricRelevance are already defined for the Numeric object.

Attribute: Sample Array Specification

The Sample Array Specification describes static properties of a wave object.

```
Attribute ID: NOM ATTR SA SPECN
```

The *array_size* specifies the maximum number of samples in one observed value.

The *SampleType* is defined as follows:

} SaSpec;

The *sample_size* specifies the number of bits used to encode one wave sample.

The number of *significant_bits* is less or equal *sample_size*. To get the actual sample value, non-significant bits must be masked if indicated in the flags value.

The SaFlags is defined as follows:

The values have the following meaning:

```
SMOOTH_CURVE, DELAYED_CURVE: used for wave presentation STATIC_SCALE: Scale and range specification does not change. SA_EXT_VAL_RANGE: The non-significant bits in the sample value must be masked.
```

Attribute: Sample Array Fixed Value Specification

The Sample Array Fixed Value Specification defines a list of fixed sample values or bit masks that indicate specific conditions.

```
Attribute ID: NOM_ATTR_SA_FIXED_VAL_SPECN
Attribute Type: SaFixedValSpec16
Attribute Groups: VMO Static Context Group
Availability: Optional
```

The SaFixedValSpec16 is a sequence of SaFixedValSpecEntry16 elements:

The SaFixedValId is defined as follows:

#define SA FIX DEFIB MARKER MASK 3 #define SA FIX SATURATION 4 #define SA_FIX_QRS_MASK 5

The values have the following meaning:

SA FIX UNSPEC: Not specified.

SA_FIX_INVALID_MASK: Invalid sample mask.

SA_FIX_PACER_MASK: Pace pulse detected.

SA_FIX_DEFIB_MARKER_MASK: Defib marker in this sample.

SA_FIX_SATURATION: Indicates saturation condition in this sample.

(Note: despite the name, this is a mask as well.)

SA_FIX_QRS_MASK: Indicates QRS trigger around this sample.

The sa_fixed_val may be a value or a bit mask, as indicated in the sa_fixed_val_id.

Attribute: Sample Period

The Sample Period specifies the sample rate.

Attribute ID: NOM ATTR TIME PD SAMP

Attribute Type: RelativeTime (see Definitions Shared by Protocols)

Attribute Groups: VMO Static Context Group

Availability: Mandatory

Attribute: Label

The Label attribute contains a 32 bit wide ID which represents the wave label string. The Label is unique for all waves in the system.

Attribute ID: NOM ATTR ID LABEL

Attribute Type: TextId (see Definitions Shared by Protocols)
Attribute Groups: VMO Dynamic Context Group
Availability: Optional

Attribute: Label String

The Label String is a unicode string which contains the label string for a wave.

Attribute ID: NOM ATTR ID LABEL STRING

Attribute Type: String (see Definitions Shared by Protocols)

Attribute Groups: VMO Dynamic Context Group

Availability: Optional

Attribute: Metric State

The Metric State attribute indicates metric on or off state.

Attribute ID: NOM ATTR METRIC STAT

Attribute Type: MetricState

VMO Dynamic Context Group Attribute Groups:

Availability: Optional

The MetricState is a bit field defined as follows:

typedef u 16 MetricState;

#define METRIC_OFF 0x8000

Attribute: Unit Code

The Unit Code attribute contains a nomenclature code from the dimension partition. It identifies the units of measure.

Attribute ID: NOM ATTR UNIT CODE

Attribute ID: NOM_AIIR_ONII_CODE

Attribute Type: OIDType (see Definitions Shared by Protocols)

Attribute Groups: VMO Dynamic Context Group

Availability: Optional

Attribute: Color

The Color attribute describes the color in which a wave is displayed on the screen.

Attribute ID: NOM ATTR COLOR Attribute Type: SimpleColour

Attribute Groups: VMO Dynamic Context Group

Optional Availability:

The *SimpleColour* is already defined for the Numeric object.

Attribute: Measure Mode

The Measure Mode attribute defines specific measurement modes.

Attribute ID: NOM ATTR MODE MSMT

Attribute Type: MeasureMode

Attribute Groups: VMO Dynamic Context Group

Availability: Optional

For wave objects, the following *MeasureMode* bits are defined:

typedef u 16 MeasureMode; #define CO2 SIDESTREAM 0×0400 #define ECG PACED 0x0200 #define ECG NONPACED 0x0100 #define ECG DIAG 0x0080 #define ECG_MONITOR 0×0.040 #define ECG FILTER 0x0020 #define ECG MODE EASI 0x0008 #define ECG LEAD PRIMARY 0x0004

The values have the following meaning:

CO2_SIDESTREAM: CO2 sidestream.

ECG_PACED, ECG_NONPACED: Paced mode setting.

ECG_DIAG, ECG_MONITOR, ECG_FILTER: ECG filter setting.

ECG MODE EASI: EASI derived lead. ECG_LEAD_PRIMARY: ECG primary lead.

Attribute: Metric Info Label

The Metric Info Label allows to specify an additional dynamic text (32 bit ID).

NOM ATTR METRIC INFO LABEL Attribute ID:

Attribute Type: TextId (see Definitions Shared by Protocols)

Attribute Groups: VMO Dynamic Context Group

Availability: Optional

Attribute: Metric Info Label String

The Metric Info Label String allows to specify an additional dynamic text (unicode string).

NOM_ATTR_METRIC_INFO_LABEL_STR Attribute ID:

```
Attribute Type: String (see Definitions Shared by Protocols)
Attribute Groups: VMO Dynamic Context Group
Availability: Optional
```

Attribute: Scale and Range Specification

The Scale and Range Specification describes a relation between scaled values and absolute values and also defines the range of the measured values and samples.

```
Attribute ID: NOM_ATTR_SCALE_SPECN_I16
Attribute Type: ScaleRangeSpec16
Attribute Groups: VMO Dynamic Context Group
Availability: Mandatory
```

The ScaleRangeSpec16 is defined as follows:

The scaled values refer to the wave samples in the observed values.

If the wave does not represent any absolute value, the absolute value fields must be *NaN* (Not a Number).

Attribute: Sample Array Physiological Range

The Sample Array Physiological Range is used for display scaling.

```
Attribute ID: NOM_ATTR_SA_RANGE_PHYS_I16
Attribute Type: ScaledRange16
Attribute Groups: VMO Dynamic Context Group
Availability: Optional
```

The ScaledRange16 is defined as follows:

Attribute: Visual Grid

The Visual Grid attribute allows to define grid lines.

```
Attribute ID: NOM_ATTR_GRID_VIS_I16
Attribute Type: SaVisualGrid16
Attribute Groups: VMO Dynamic Context Group
Availability: Optional
```

The SaVisualGrid16 is defined as follows:

```
typedef struct {
       u 16
                              count;
                             length;
       u_16
       SaGridEntry16
                             value[1];
} SaVisualGrid16;
typedef struct {
       FLOATType
                             absolute value;
       u_16
                             scaled_value;
       u 16
                             level;
} SaGridEntry16;
```

Different *levels* define relative importance of grid lines. 0 is the first (most important) level.

Attribute: Sample Array Calibration Specification

The Sample Array Calibration Specification allows to define the presence of a calibration bar or calibration stair.

```
Attribute ID: NOM_ATTR_SA_CALIB_I16
Attribute Type: SaCalData16
Attribute Groups: VMO Dynamic Context Group
Availability: Optional
```

The SaCalData16 is defined as follows:

```
typedef struct {
                              lower_absolute_value;
       FLOATType
       FLOATType
                             upper absolute value;
       u 16
                             lower scaled value;
       u 16
                             upper scaled value;
       u 16
                             increment;
       u_16
                             cal_type;
#define BAR
                                     0
#define STAIR
                                     1
} SaCalData16;
```

Attribute: Sample Array Observed Value

The Sample Array Observed Value attribute represents the wave samples, along with state and identification data.

```
Attribute ID: NOM_ATTR_SA_VAL_OBS

Attribute Type: SaObsValue

Attribute Groups: Metric Observed Value Group

Availability: Conditional (either SaObsValue or SaObsValueCmp is present)
```

The SaObsValue data type is defined as follows:

The *physio_id* (physiological identifier) field contains a nomenclature code from the SCADA partition that identifies the represented wave (typically a physiological measurement).

The *state* indicates measurement validity. Refer to the Numeric object for a definition of the bit field. The measurement is valid if the first octet of the *state* is all 0.

Attribute: Compound Sample Array Observed Value

The Compound Sample Array Observed Value attribute represents multiple waves modelled in one Wave object, along with state and identification data.

Compound Sample Array Observed Values are used to provide 250 samples/s ECG waves with common context.

```
Attribute ID: NOM_ATTR_SA_CMPD_VAL_OBS
Attribute Type: SaObsValueCmp
Attribute Groups: Metric Observed Value Group
```

```
Availability: Conditional (either SaObsValue or SaObsValueCmp is present)
```

The SaObsValueCmp data type is defined as follows:

The *count* field defines the number of *SaObsValue* elements in the structure.

The *length* field defines the size of the array of *SaObsValue* structures in bytes.

The *SaObsValue* data type is defined above. The elements in a compound observed value can be identified by their *physio_id*.

Attributes Groups

The attributes of the Wave object are arranged in the following attribute groups:

```
Attribute Group:
                      VMO Static Context Group
                     NOM ATTR GRP VMO STATIC
Group ID:
Description:
                     Static context of the object
Attributes:
                     Handle, Type, Metric Specification, Sample Array
                     Specification, Sample Array Fixed Value Specification,
                     Sample Period
                     VMO Dynamic Context Group
Attribute Group:
                     NOM ATTR GRP VMO DYN
Group ID:
Description:
                     Dynamic context of the object
Attributes:
                     Label, Label String, Metric State, Unit Code,
                      Color, Measure Mode, Metric Info Label, Metric Info
                      Label String, Scale and Range Specification,
                      Sample Array Physiological Range, Visual Grid,
                      Sample Array Calibration Specification
                     Metric Observed Value Group
Attribute Group:
Group ID:
                      NOM ATTR GRP METR VAL OBS
Description:
                      Observed values of the object
Attributes:
                      Sample Array Observed Value, Compound Sample Array
```

Enumeration Objects

Enumeration Object Attributes

This section defines the attributes of the enumeration objects, together with the attribute identifier codes and attribute data types.

Observed Value

Enumeration Objects are not available in software revisions below E.0.

Attribute: Handle

The Handle attribute identifies the enumeration object in the form of a numeral value. The Handle is unique within a device context (see Common Data Type - Global Handle). The actual value of the Handle attribute does not have a meaning. It is used for reference and relation purposes.

```
Attribute ID: NOM_ATTR_ID_HANDLE

Attribute Type: Handle (see Definitions Shared by Protocols)

Attribute Groups: -

Availability: Mandatory
```

Attribute: Type

The Type attribute contains an identification of the object type.

Attribute ID: NOM_ATTR_ID_TYPE
Attribute Type: TYPE (see Definitions Shared by Protocols)
Attribute Groups: VMO Static Context Group

Availability: Mandatory

Attribute: Metric Specification

The Metric Specification describes static properties of a metric object.

Attribute ID: NOM_ATTR_METRIC_SPECN
Attribute Type: MetricSpec
Attribute Groups: VMO Static Context Group
Availability: Mandatory

The *MetricSpec* is defined as follows:

The *update_period* specifies the time between observed values.

MetricCategory, MetricAccess, MetricStructure, and MetricRelevance are already defined for the Numeric object.

Attribute: Label

The Label attribute is a 32 bit wide ID which represents the enumeration label string.

Attribute: Label String

The Label String attribute is a unicode string which contains the label string for a enumeration.

Attribute ID: NOM_ATTR_ID_LABEL_STRING
Attribute Type: String
(see Protocol Common Definitions)
Attribute Group: VMO Dynamic Context Group
Availability: Optional

Attribute: Color

The Color attribute describes the color in which an enumeration is displayed on the screen.

Attribute ID: NOM_ATTR_COLOR
Attribute Type: SimpleColour
Attribute Group: VMO Dynamic Context Group
Availability: Optional

Attribute: Enum-Observed-Value

The Enum-Ovserved-Value attribute describes the current state of the enumeration object.

```
Attribute ID:
                     NOM ATTR VAL ENUM OBS
   Attribute Type:
                     EnumObsVal
   Attribute Group: VMO Observed Value Group
   Availablity:
                     Optional
typedef struct {
   OIDType
                     physio_id;
   MeasurementState state;
   EnumVal
                     value;
} EnumObsVal;
typedef struct {
                     obj_id;
   OIDType
   FLOATType
                    num val;
   OIDType
                     unit code;
} EnumObjIdVal;
typedef struct {
   u 16
                     choice;
   u 16
                     length;
   union {
           OIDType
                         enum_obj_id;
           EnumObjIdVal enum_obj_id_val;
   } u;
} EnumVal;
```

The field choice of structure EnumVal defines the valid structure of union u. Its values are defined as follows:

```
#define ENUM_OBJ_ID_CHOSEN 1
#define ENUM OBJ ID VAL CHOSEN 4
```

Attribute Groups

The attributes of the enumeration object are arranged in the following attribute groups:

```
Attribute Group: VMO Static Context Group
Group ID:
                    NOM ATTR GRP VMO STATIC
Description:
                   Static context of the object
Attributes:
                  Type, Handle, Metric Specification
Attribute Group: VMO Dynamic Context Group
Group ID: NOM_ATTR_GRP_VMO_DYN
Description: Dynamic context of the object
Attributes: Label, Label String, Color
Attribute Group: Metric Observed Value Group
Group ID:
                    NOM ATTR GRP METRIC VAL OBS
                    Observed values of the object
Description:
Attributes:
                    Enumeration Observed Value,
                    Absolute Time Stamp, Relative Time Stamp
```

System Objects

System Objects Attributes

This section defines the attributes of the Medical Device System (MDS) object, together with the attribute identifier codes and attribute data types.

Attribute: Handle

The Handle attribute identifies the MDS object in the form of a numeral value. The Handle is unique within a device context (see Common Data Type - Global Handle). The actual value of the Handle attribute does not have a meaning. It is used for reference and relation purposes.

```
Attribute ID: NOM_ATTR_ID_HANDLE

Attribute Type: Handle (see Definitions Shared by Protocols)

Attribute Groups: -

Availability: Mandatory
```

Attribute: System Type

The System Type attribute contains an identification of the device type identified with the MDS object (e.g. monitor)

```
Attribute ID: NOM_ATTR_SYS_TYPE
Attribute Type: TYPE (see Definitions Shared by Protocols)
Attribute Groups: System Identification Attribute Group
Availability: Mandatory
```

For the MDS object, the OBJ nomenclature partition is used. The code value is a static identification.

Attribute: System Model

The System Model attribute contains a manufacturer ID and a manufacturer-specific model number for the device.

```
Attribute ID: NOM_ATTR_ID_MODEL
Attribute Type: SystemModel
Attribute Groups: System Identification Attribute Group
Availability: Mandatory
```

The *SystemModel* is defined as follows:

```
typedef struct {
    VariableLabel manufacturer;
    VariableLabel model_number;
} SystemModel;
```

The *manufacturer* field is of variable length, hence the offset of *model_number* depends on the length of *manufacturer*. Currently, the monitor uses 4 characters for the *manufacturer* and 6 characters for the *model_number* (including the terminating '\0').

Attribute: System ID

The Sytem ID attribute contains a unique identifier for the device.

```
Attribute ID: NOM_ATTR_SYS_ID

Attribute Type: VariableLabel (see Definitions Shared by Protocols)

Attribute Groups: System Identification Attribute Group

Availability: Mandatory
```

The monitor uses the 6 byte MAC address as identifier. Future versions might use an 8 byte EUI-64 identifier.

Attribute: Nomenclature Version

The Nomenclature Version attribute contains the version of the nomenclature used by the device.

```
Attribute ID: NOM_ATTR_NOM_VERS
Attribute Type: u_32
Attribute Groups: System Identification Attribute Group
Availability: Mandatory
```

The Nomenclature Version is composed of 16 bit major and 16 bit minor version number. The monitor currently uses the Nomenclature Version 1.0.

Attribute: System Localization

The System Localization attribute contains information about the language version used by the device.

```
Attribute ID: NOM_ATTR_LOCALIZN

Attribute Type: SystemLocal

Attribute Groups: System Identification Attribute Group

Availability: Optional
```

The SystemLocal is defined as follows:

The text_catalog_revision contains revision information about the texts used by the monitor. The two most significant bytes contain the version of the text catalog (one byte major, one byte minor revision). The text catalog defines the possible values for Attributes of the type TextId. A client which depends on a TextId having a specific value can use this information for revision control.

The lower two bytes of the *text_catalog_revision* are used for a language revision (one byte major, one byte minor revision). The language revision denotes the mapping from a *TextId* to an actual string in the monitor language.

The *Language* describes the language used by the monitor. It is defined as follows:

```
typedef u 16 Language;
#define LANGUAGE UNSPEC
                                0
#define ENGLISH
                                1
#define GERMAN
                                2
#define FRENCH
                                3
#define ITALIAN
#define SPANISH
#define DUTCH
#define SWEDISH
                               7
#define FINNISH
                               8
#define NORWEG
                               9
                               10
#define DANISH
#define JAPANESE
                               11
#define REP_OF_CHINA
                               12
                              13
#define PEOPLE_REP_CHINA
#define PORTUGUESE
                              14
#define RUSSIAN
                               15
#define BYELORUSSIAN
#define UKRAINIAN
                               17
#define CROATIAN
                               18
#define SERBIAN
                               19
#define MACEDONIAN
                               20
#define BULGARIAN
                               21
#define GREEK
                               22
#define POLISH
                               23
#define CZECH
                               24
#define SLOVAK
#define SLOVENIAN
                               26
#define HUNGARIAN
                               27
#define ROMANIAN
                               2.8
#define TURKISH
                                29
#define LATVIAN
                                30
#define LITHUANIAN
                                31
#define ESTONIAN
                                32
#define KOREAN
                                33
```

The StringFormat describes how strings are encoded. The IntelliVue monitor uses unicode encoding.

```
typedef u_16 StringFormat;
#define STRFMT_UNICODE_NT 11
```

Attribute: System Specification

The System Specification attribute contains a set of functional components supported by the system.

```
Attribute ID: NOM_ATTR_SYS_SPECN
Attribute Type: SystemSpec
Attribute Groups: System Application Attribute Group
Availability: Optional
```

The *SystemSpec* is defined as follows:

The supported components are:

```
Component ID: NOM_MDIB_OBJ_SUPPORT
Component Type: MdibObjectSupport
Availability: Mandatory
```

The *MdibObjectSupport* is defined as follows:

```
typedef struct {
   u_16    count;
   u_16    length;
   MdibObjectSupportEntry    value[1];
} MdibObjectSupport;

typedef struct {
   TYPE    object_type;
   u_32    max_inst;
} MdibObjectSupportEntry;
```

The *MdibObjextSupport* contains a list of all object classes supported by the system and the maximum number of instances per class. If *max_inst* contains 0xffffffff, it is not defined.

Attribute: Mds General System Info

The Mds General System Info attribute contains global information about the monitor and its configuration.

```
Attribute ID: NOM_ATTR_MDS_GEN_INFO
Attribute Type: MdsGenSystemInfo
Attribute Group: System Application Attribute Group
Availability: Optional
```

The MdsGenSystemInfo is defined as follows:

The *MdsGenSysemInfoEntry* allows to encode generic system information. It has the following structure:

One MdsGenSytemInfoEntry is used to encode the System Pulse information. The monitor can generate a pulse rate from several sources.

```
Choice: MDS_GEN_SYSTEM_INFO_SYSTEM_PULSE_CHOSEN 1
Type: SystemPulseInfo
Availability: Optional
The SystemPulseInfo is defined as follows:
```

```
typedef struct
{
    ManagedObjectId system_pulse;
    ManagedObjectId alarm_source;
} SystemPulseInfo;
```

It enfolds the *ManagedObjecIds* of the object instances selected as system-pulse respectively alarm-source.

Attribute: Production Specification

The Production Specification attribute contains a list of component revisions and serial numbers within the system.

```
Attribute ID: NOM_ATTR_ID_PROD_SPECN
Attribute Type: ProductionSpec
Attribute Groups: System Production Attribute Group
Availability: Optional
```

The *ProductionSpec* is defined as follows:

```
typedef struct {
  u_16
                 count:
   u 16
                length;
   ProdSpecEntry value[1];
} ProductionSpec;
typedef struct {
  u 16
                spec type;
                     0
#define UNSPECIFIED
#define SERIAL NUMBER
                       1
#define PART NUMBER
#define HW_REVISION
#define SW REVISION
#define FW REVISION
#define PROTOCOL_REVISION 6
   PrivateOid component id;
   VariableLabel prod spec;
} ProdSpecEntry;
```

The current monitor uses 10 characters for a serial number, 14 characters for part numbers and 8 characters for revision strings. The strings are not null-terminated.

The supported components are:

```
Component ID:
                   ID COMP PRODUCT
                 Overall product specification
Description:
Component ID: ID_COMP_CONFIG
Description: Specific system configuration
Component ID: ID_COMP_BOOT
Description:
                  Boot code specification
Component ID:
                   ID COMP MAIN BD
Description:
                   Mainboard hardware specification
Component ID:
                   ID COMP APPL SW
Description:
                   Application software specification
```

See the section "Component IDs" on page 8-224 for the values of the *component_id*. The *ProductionSpec* may contain additional private entries.

To retrieve the monitor software revision, read the ProductSpecEntry with the Component ID "ID_COMP_APPL_SW". Its prod_spec attribute contains a string of the form "J.00.00" describing the running software revision.

Attribute: MDS Status

The MDS Status attribute describes the device state.

Attribute ID: NOM_ATTR_VMS_MDS_STAT

Attribute Type: MDSStatus

Attribute Groups: System Application Attribute Group

Availability: Mandatory

The MDSStatus is defined as follows:

The MDSStatus values have the following meaning:

DISCONNECTED: The monitor is not connected to the network.

UNASSOCIATED: The monitor is connected to the network, but no association is currently active.

OPERATING: The monitor has an association with a Computer Client.

Currently, a Computer Client will only see the MDS Status OPERATING, if the MDS has another Status, there is no association with a Computer Client.

Attribute: Bed Label

The Bed Label attribute contains a printable string identifying the system location.

Attribute ID: NOM ATTR ID BED LABEL

Attribute Type: String

(see Definitions Shared by Protocols)

Attribute Groups: System Application Attribute Group

Availability: Optional

The Bed Label can be entered in the Admit/Discharge dialog. It uses 16 bit unicode character encoding. Currently, the Bed Label is 17 characters (including terminating '\0'). If the actual label is shorter, the string is filled with '\0' characters.

Attribute: Operating Mode

The Operating Mode attribute identifies the current operating mode of the device.

Attribute ID: NOM_ATTR_MODE_OP
Attribute Type: PrivateOID

Attribute Groups: System Application Attribute Group

Availability: Optional

The Operating Mode is defined as a bit field. The following mode bits are defined:

#define OPMODE_UNSPEC 0x8000
#define MONITORING 0x4000
#define DEMO 0x2000
#define SERVICE 0x1000
#define OPMODE_STANDBY 0x0002
#define CONFIG 0x0001

The values have the following meaning:

OPMODE_UNSPEC: The Operating Mode is not specified.

MONITORING: Device is configured to monitor patient data (the default mode).

DEMO: Demonstration Mode with simulated patient data.

SERVICE: Device is in Service Mode.

STANDBY: Standby and Power Safe Mode. CONFIG: Device is in Configuration Mode.

Exactly one of the bit out of the bits 0 - 4 must be set, bits 14 and 15 (the stand-by and config mode bits) can be set optionally.

Attribute: Application Area

The Application Area attribute describes the intended application area for the device.

```
Attribute ID: NOM_ATTR_AREA_APPL Attribute Type: ApplicationArea
```

Attribute Groups: System Application Attribute Group

Availability: Optional

The *ApplicationArea* is defined as follows:

The values have the following meaning:

AREA_UNSPEC: The application area has not been specified.

AREA_OPERATING_ROOM: The application area has been specified as an operating room.

AREA_INTENSIVE_CARE: The application area has been specified as an intensive care unit.

AREA_NEONATAL_INTENSIVE_CARE: The application area has been specified as a neonatal intensive care unit.

AREA_CARDIOLOGY_CARE: The application area has been specified as a cardiology care unit.

Attribute: Date and Time

The Date and Time attribute contains the current device time.

```
Attribute ID: NOM_ATTR_TIME_ABS

Attribute Type: AbsoluteTime (see Definitions Shared by Protocols)

Attribute Groups: System Application Attribute Group

Availability: Optional
```

Attribute: Relative Time

The Relative Time attribute contains the current device relative time.

```
Attribute ID: NOM_ATTR_TIME_REL
Attribute Type: RelativeTime (see Definitions Shared by Protocols)
Attribute Groups: System Application Attribute Group
Availability: Optional
```

The Relative Time is set to zero after each power cycle.

Attribute: Altitude

The Altitude attribute contains the system altitude above or below sea level.

Attribute ID: NOM ATTR ALTITUDE

Attribute Type: i 16

Attribute Groups: System Application Attribute Group

Availability: Optional

Attribute: Line Frequency

The Line Frequency attribute describes the frequency of the main power supply in Hz.

NOM ATTR LINE FREQ Attribute ID: Attribute Type: LineFrequency

Attribute Groups: System Application Attribute Group

Optional Availability:

The *LineFrequency* is defined as follows:

```
typedef u 16
                     LineFrequency;
#define LINE_F_UNSPEC 0
#define LINE F 50HZ
                       1
#define LINE F 60HZ
```

Attribute: Association Invoke ID

The Association Invoke ID attribute is a counter for the number of associations. It is incremented with each new association.

Attribute ID: NOM_ATTR_ID_ASSOC_NO

Attribute Type: u_16

Attribute Groups: System Identification Attribute Group

Availability: Optional

Attribute Groups

The attributes of the Medical Device System object are arranged in the following attribute groups:

Attribute Group: System Identification Attribute Group

Group ID: NOM_ATTR_GRP_SYS_ID
Description: Identification of the system
Attributes: System Type, System Model, System Id,

Nomenclature Version, System Localization, Association Invoke Id

Attribute Group: System Application Attribute Group

NOM ATTR GRP SYS APPL Group ID:

Description: System Capabilities and Settings

Attributes: System Specification, MDS Status, Bed Label, Operating Mode, Application Area, Data and

> Time, Relative Time, Altitude, Line Frequency, Mds General System Info

Attribute Group: System Production Attribute Group

Group ID: NOM_ATTR_GRP_SYS_PROD
Description: HW and SW configuration Description: HW and SW configuration Attributes: Production Specification

Alert Monitor Object

Attributes of the Alert Monitor Object

This section defines the attributes of the Alert Monitor object, together with the attribute identifier codes and attribute data types.

The Alert Monitor object represents the overall device alert condition. It contains a global alert status and a list of active technical and patient alerts.

Attribute: Handle

The Handle attribute identifies the Alert Monitor object in the form of a numeral value. The Handle is unique within a device context (see Common Data Type - Global Handle). The actual value of the Handle attribute does not have a meaning. It is used for reference and relation purposes.

```
Attribute ID: NOM_ATTR_ID_HANDLE

Attribute Type: Handle (see Definitions Shared by Protocols)

Attribute Groups: VMO Static Context Group

Availability: Mandatory
```

Attribute: Type

The Type attribute contains an identification of the object type represented by the Alert Monitor.

```
Attribute ID: NOM_ATTR_ID_TYPE
Attribute Type: TYPE (see Definitions Shared by Protocols)
Attribute Groups: VMO Static Context Group
Availability: Mandatory
```

Attribute: Device Alert Condition

The Device Alert Condition attribute contains global device alert status information.

```
Attribute ID: NOM_ATTR_DEV_AL_COND
Attribute Type: DeviceAlertCondition
Attribute Groups: Alert Monitor Group
Availability: Mandatory
```

The DeviceAlertCondtion is defined as follows:

The AlertState is a bit field defined as follows:

```
typedef u_16 AlertState;
#define AL INHIBITED
                                 0x8000
#define AL SUSPENDED
                                 0x4000
#define AL_LATCHED
                                 0x2000
#define AL_SILENCED_RESET
                                 0x1000
#define AL DEV IN TEST MODE
                                 0x0400
#define AL_DEV_IN_STANDBY
                                 0x0200
#define AL DEV IN DEMO MODE
                                 0x0100
#define AL_NEW_ALERT
                                 0x0008
```

The *AlertState* is used for the overall device alert state and for the specific state of each alert. The bits in *AlertState* have the following meaning:

AL_INHIBITED: Alert is switched off.

AL_SUSPENDED: Alert inactivated temporarily, alert condition is acknowledged.

AL_LATCHED: Alert condition is not active but latched, note that technical alarms are never latching.

AL_SILENCED_RESET: Alert condition stopped but alarming re-enabled (only for *DeviceAlertCondition*).

AL_DEV_IN_TEST_MODE: Device is in a temporary test mode.

AL_DEV_IN_STANDBY: Device is in standby mode.

AL_DEV_IN_DEMO_MODE: Indicates that the device is in demo mode.

AL_NEW_ALERT: Indicate a new alarm (not in *DeviceAlertCondition*). A Computer Client might not see this bit if it does not poll fast enough or other delays occur.

The *al_stat_chg_cnt* is an internal change counter. A Computer Client should not interpret this field, because it can not be guaranteed that no internal message is missed.

The *AlertType* is a bit field defined as follows:

```
typedef u 16 AlertType;
#define NO_ALERT
                         0
#define LOW_PRI_T_AL
                         1
          MED PRI T AL
#define
                         2
          HI_PRI_T_AL
#define
          LOW PRI P AL
#define
                         256
          MED PRI P AL
                         512
#define
#define
          HI PRI P AL
                         1024
```

IntelliVue monitors with software revision E.0 or higher allow changing of the inop severity for various inop alarms. These changes are reflected in the AlertType bitfield.

The bits have the following meaning:

NO ALERT: No alert active.

LOW_PRI_T_AL: Low priority technical alarm (soft inop). These inops are generated after a signal analysis (e.g "Noisy ECG").

MED_PRI_T_AL: Medium priority technical alarm (hard inop). These inops are generated during inoperable parameter measurement because of hardware faults or no transducer connected (e.g "Leads Off", "ABP No Transducer")

HI_PRI_T_AL: High priority technical alarm (severe inop).

LOW_PRI_P_AL: Awareness Condition (short yellow alarm): These alarms are marked with a "**" in the alarm string and a specific short yellow alarm sound is issued. Today short yellow alarms are generated only from arrhythmia computer.

MED_PRI_P_AL: Medium priority patient alarm (yellow alarm): These alarms are marked with a "**" in the alarm string. They indicate a less critical patient condition usually due to violation of user defined criteria (e.g. limit violation alarm).

HI_PRI_P_AL: High priority patient alarm (red alarm): These alarms are marked with a "***" in the alarm string. These alarms indicate a life threatening patient condition.

Attribute: Device T-Alarm List

The Device T-Alarm List attribute contains the active technical alarms (inops) in the system.

```
Attribute ID: NOM_ATTR_AL_MON_T_AL_LIST
Attribute Type: DevAlarmList
Attribute Groups: Alert Monitor Group
Availability: Mandatory
```

The *DevAlarmList* is defined as follows:

```
typedef struct {
   u_16
                 count;
   u 16
                 length;
   DevAlarmEntry value[1];
} DevAlarmList;
typedef struct {
  OIDType
                       al source;
                       al code;
   OIDType
  AlertType
AlertState
                       al type;
                       al state;
   ManagedObjectId object;
   PrivateOid
                        alert info id;
#define GEN ALMON INFO 513
#define STR_ALMON_INFO 516
   u 16
                        length;
} DevAlarmEntry;
```

The *al_source* is taken from the Object Oriented or the SCADA partition (depending on *al_code*). It identifies the origin of the alert (e.g. temperature).

The *al_code* is taken from the Events partition and describes the reason for the alert (e.g. high alarm). The least significant bit is used to define the nomenclature partition for *al_source*. Last bit 0 means SCADA partition, last bit 1 means Object Oriented partition.

The definitions for *AlertType* and *AlertState* can be found in the paragraph about the Device Alert Condition.

The *object* field contains a reference to the object which generated the alert. The object may not be known to the Computer Client, if the Data Export protocol does not allow accessing the specific object.

If the *alert_info_id* is set to GEN_ALMON_INFO, an *AlMonGenInfo* structure is appended:

If the *alert_info_id* is set to STR_ALMON_INFO, an *StrAlMonInfo* structure is appended:

Currently, the monitor only supports the StrAlMonInfo data type.

The *al_inst_no* is a private ID.

The *al_text* is a private ID.

The *AlertPriority* is defined as follows:

```
typedef u 16 AlertPriority;
```

The *AlertPriority* only allows prioritization within a group of alarms. A Computer Client application should use the *AlertType* to distinguish low and high priority alarms.

The *AlertFlags* type is defined as follows:

```
typedef u_16 AlertFlags;
#define BEDSIDE_AUDIBLE 0x4000
#define CENTRAL_AUDIBLE 0x2000
#define VISUAL_LATCHING 0x1000
#define AUDIBLE_LATCHING 0x0800
#define SHORT_YELLOW_EXTENSION 0x0400
#define DERIVED 0x0200
```

The bits in the *AlertFlag* have the following meaning:

BEDSIDE_AUDIBLE: Alert sound at the bedside

CENTRAL_AUDIBLE: Alert sound at the central station

VISUAL_LATCHING: Alert is visible after the alarm condition has ceased. The alarm indication will exist until a specific action is taken by a user (e.g. Silence/Reset).

AUDIBLE_LATCHING: Alert is sound issued after the alarm condition has ceased. The alarm indication will exist until a specific action is taken by a user (e.g. Silence/Reset).

SHORT_YELLOW_EXTENSION: Alarm is not active but artificially extended for short yellow behavior.

DERIVED: Derived alarm.

The *String* contains the a description of the alarm in the language supported by the monitor. *Strings* for patient alarms are prefixed with two "**" or three "***" alarm stars (see "Definitions Shared by Protocols" on page 6-35 for UNICODE character encoding). Currently, the String is 19 characters long, including the terminating '\0'.

Attribute: Device P-Alarm List

The Device P-Alarm List attribute contains the active patient alarm in the system.

```
Attribute ID: NOM_ATTR_AL_MON_P_AL_LIST
Attribute Type: DevAlarmList
Attribute Groups: Alert Monitor Group
Availability: Mandatory
```

The *DevAlarmList* data type is the same as for the Device T-Alarm List.

The data in a Device T-Alarm List or Device P-Alarm List might be too large to fit in a single message. In this case the Remote Operation Linked Result message will be used (see "Remote Operation Linked Result" on page 6-44). In this case each message will contain a correctly formatted Alarm list and the Computer Client must merge the lists to get the complete Device T-Alarm List or Device P-Alarm List.

Attribute Groups

The attributes of the Alert Monitor object are arranged in the following attribute groups:

Attribute Group: VMO Static Context Group
Group ID: NOM_ATTR_GRP_VMO_STATIC
Description: Static context of the object

Attributes: TYPE, Handle

Attribute Group: Alert Monitor Group

Group ID: NOM_ATTR_GRP_AL_MON

Description: Alarm related attributes

Attributes: Device Alert Condition

Attributes: Device Alert Condition, Device P-Alarm List,

Device T-Alarm List

Patient Demographics Object

NOTE Not all objects described below will be available on all monitor models.

Attributes of the Patient Demographic Object

This section defines the attributes of the Patient Demographics object, together with the attribute identifier codes and attribute data types.

The Patient Demographics object contains the patient information present in the system.

Attribute: Handle

The Handle attribute identifies the Patient Demographics object in the form of a numeral value. The Handle is unique within a device context (see Common Data Type - Global Handle). The actual value of the Handle attribute does not have a meaning. It is used for reference and relation purposes.

Attribute ID: NOM_ATTR_ID_HANDLE
Attribute Type: Handle (see Definitions Shared by Protocols)
Attribute Groups: Patient Demographics Attribute Group
Availability: Mandatory

Attribute: Pat Demo State

The Pat Demo State attribute describes the current state of the Patient Demographics object.

Attribute ID: NOM_ATTR_PT_DEMOG_ST

Attribute Type: PatDemoState

Attribute Groups: Patient Demographics Attribute Group

Availability: Mandatory

The PatDemoState is defined as follows:

typedef u_16 PatDmgState;
#define EMPTY 0
#define PRE_ADMITTED 1
#define ADMITTED 2
#define DISCHARGED 8

The values have the following meaning:

EMPTY: No patient information present.

PRE_ADMITTED: Currently not used.

ADMITTED: Patient information is present and valid.

DISCHARGED: Data is still available, but patient is no longer assigned to device.

Attribute: Patient Type

The Patient Type attribute describes the type of patient admitted to the system.

```
Attribute ID: NOM_ATTR_PT_TYPE
Attribute Type: PatientType
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

The Patient Type is defined as follows:

The Patient Type can be set by the user in the Admit/Discharge dialog (Patient Cat.).

Attribute: Patient Paced Mode

The Patient Paced Mode attribute indicates whether the patient is paced or not.

```
Attribute ID: NOM_ATTR_PT_PACED_MOD
Attribute Type: PatPacedMode
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

The PatPacedMode is defined as follows:

```
typedef u_16    PatPacedMode;
#define    PAT_NOT_PACED     0
#define    PAT PACED GEN     1
```

Values greater one are reserved to indicate special paced modes. The Computer Client should test for "== 0" or "!= 0".

Attribute: Given Name

The Given Name attribute contains the first name of the patient.

```
Attribute ID: NOM_ATTR_PT_NAME_GIVEN
Attribute Type: String
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

Currently, the Given Name can be up to 19 characters long, including the terminating '\0'.

Attribute: Middle Name

The Middle Name attribute contains the middle name of the patient.

```
Attribute ID: NOM_ATTR_PT_NAME_MIDDLE
Attribute Type: String
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

Currently, the Middle Name can be up to 19 characters long, including terminating '\0'.

Attribute: Family Name

The Family Name attribute contains the last name of the patient.

```
Attribute ID: NOM_ATTR_PT_NAME_FAMILY
Attribute Type: String
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

Currently, the Family Name can be up to 19 characters long, including terminating '\0'.

Attribute: Patient ID

The Patient ID attribute contains the ID of the patient.

```
Attribute ID: NOM_ATTR_PT_LIFETIME_ID (identical to previous NOM_ATTR_PT_ID)
Attribute Type: String
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

Currently, the Patient ID (Medical Record Number - MRN) can be up to 17 characters long, including the terminating '\0'.

Since Rev. G the Patient ID is called Lifetime ID.

Attribute: Encounter ID

The Encounter ID attribute contains the ID of the current visit of the patient.

```
Attribute ID: NOM_ATTR_PT_ENCOUNTER_ID
Attribute Type: String
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

Currently, the Encounter ID can be up to 17 characters long, including the terminating '\0'.

Attribute: Patient Sex

The Patient Sex attribute contains the sex of the patient.

```
Attribute ID: NOM_ATTR_PT_SEX
Attribute Type: PatientSex
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

The *PatientSex* is described as follows:

The values have the following meaning:

```
SEX UNKNOWN: Patient sex is not known
```

MALE: Patient is male FEMALE: Patient is female

SEX_UNSPECIFIED: Patient sex is not specified

Attribute: Date of Birth

The Date of Birth attribute contains the Date of Birth of the patient.

```
Attribute ID: NOM_ATTR_PT_DOB
Attribute Type: AbsoluteTime
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

Attribute: Patient Height

The Patient Height attribute contains the height of the patient.

```
Attribute ID: NOM_ATTR_PT_HEIGHT

Attribute Type: PatMeasure

Attribute Groups: Patient Demographics Attribute Group

Availability: Optional
```

The *PatMeasure* is defined as follows:

```
typedef struct {
   FLOATType value;
   OIDType m_unit;
} PatMeasure;
```

The *value* contains the actual value of the attribute and the *m_units* indicates the unit of measurement for the *value*.

Attribute: Patient Weight

The Patient Height attribute contains the weight of the patient.

```
Attribute ID: NOM_ATTR_PT_WEIGHT
Attribute Type: PatMeasure
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

Attribute: Patient Age

The Patient Age attribute contains the age of the patient.

```
Attribute ID: NOM_ATTR_PT_AGE
Attribute Type: PatMeasure
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

Attribute: Patient BSA

The Patient BSA attribute contains the body surface area of the patient.

```
Attribute ID: NOM_ATTR_PT_BSA
Attribute Type: PatMeasure
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

Attribute: Patient BSA Formula

The Patient BSA Formula attribute describes the formula which is used for the calculation of the patient body surface area.

```
Attribute ID: NOM_ATTR_PT_BSA_FORMULA
Attribute Type: PatBsaFormula
Attribute Groups: Patient Demographics Attribute Group
Availability: Optional
```

The PatBsaFormula is described as follows:

```
typedef u_16    PtBsaFormula;
#define    BSA_FORMULA_UNSPEC     0
#define    BSA_FORMULA_BOYD     1
#define    BSA_FORMULA_DUBOIS     2
```

The values have the following meaning:

BSA_FORMULA_UNSPEC: Formula not specified

BSA_FORMULA_BOYD: BSA calculation according to Boyd

BDA_FORMULA_DUBOIS:: BSA calculation according to Dubois

Attribute: Notes1

The Notes1 attribute provides additional information about the patient.

Attribute ID: NOM_ATTR_PT_NOTES1

Attribute Type: String

Attribute Groups: Patient Demographics Attribute Group

Availability: Optional

Currently, the Notes1 field can be up to 31 characters long, including the terminating '\0'.

Attribute: Notes2

The Notes2 attribute provides additional information about the patient.

Attribute ID: NOM_ATTR_PT_NOTES2

Attribute Type: String

Attribute Groups: Patient Demographics Attribute Group

Availability: Optional

Currently, the Notes2 field can be up to 31 characters long, including the terminating '\0'.

Attribute Groups

The attributes of the Patient Demographics object are arranged in the following attribute groups:

Attribute Group: Patient Demographics Attribute Group

Group ID: NOM_ATTR_GRP_PT_DEMOG

Description: Attributes containing patient information

Attributes: all attributes

Patient Conflict Handling

The patient information is stored in the monitor, the measurement server and the central station (if present). This can lead to patient conflicts when the patient information in these locations differ. If the monitor detects a patient conflict, it will display a "Patient Selection" window which allows the user to resolve the conflict.

In the case of a patient conflict, the behavior of the Data Export software is as follows:

- If the Patient Type or Patient Paced Mode attribute is different, the data from the measurement server is considered as relevant.
- If the patient is different (devices have been disconnected and a new patient has been admitted), the Patient Type and Patient Paced Mode information from the measurement server is exported. The other attributes are cleared and the Family Name attribute is set to "???".

Connect Indication Attributes

This section describes the attributes contained in the Connect Indication Message.

Attribute: System Type

The System Type attribute describes the type of the system (e.g. Monitor).

```
Attribute ID: NOM_ATTR_SYS_TYPE

Attribute Type: TYPE (see Definitions Shared by Protocols)

Attribute Groups: -

Availability: -
```

Attribute: Protocol Support

The Protocol Support contains an entry for each protocol supported on the network interface.

```
Attribute ID: NOM_ATTR_PCOL_SUPPORT
Attribute Type: ProtoSupport
Attribute Groups: -
Availability: -
```

The *ProtoSupport* is defined as follows:

```
typedef struct {
   u_16
                  count;
   u 16
                 length:
   ProtoSupportEntry value[1];
} ProtoSupport;
typedef struct {
   ApplProtoId appl_proto;
TransProtoId trans_proto;
   } ProtoSupportEntry;
typedef u 16 ApplProtoId;
#define AP ID ACSE
#define AP_ID_DATA_OUT
typedef u_16 TransProtoId;
#define TP ID UDP
                                1
typedef u 16
                      ProtoOptions;
#define P_OPT_WIRELESS
                               0x8000
```

The Computer Client should parse the available protocols and search for the AP_ID_DATA_OUT. This entry specifies the port for the Data Export Protocol. The corresponding Association Control Protocol runs on the same port.

The Computer Client must only send requests to the port specified for the Data Export Protocol.

Attribute: System Localization

The System Localization attribute describes the handling of natural language items.

```
Attribute ID: NOM_ATTR_LOCALIZN
Attribute Type: SystemLocal
Attribute Groups: -
Availability: -
```

The *SystemLocal* is defined as follows:

The syslocal_revision contains the revision of the text catalog used for internal texts.

The *Language* describes the language used in any String type. It is defined as follows:

typedef	u_16	Language	;
#define	LANGU	AGE_UNSPEC	0
#define	ENGLI	SH	1
#define	GERMA	N	2
#define	FRENC	!H	3
#define	ITALI	AN	4
#define	SPANI	SH	5
#define	DUTCH	I	6
#define	SWEDI	SH	7
#define	FINNI	SH	8
#define	NORWE	lG	9
#define	DANIS	H	10
#define	JAPAN	IESE	11
#define	REP_C	F_CHINA	12
#define	PEOPL	E_REP_CHINA	13
#define	PORTU	IGUESE	14
#define	RUSSI	AN	15
#define	BYELO	RUSSIAN	16
#define	UKRAI	NIAN	17
#define	CROAT	'IAN	18
#define	SERBI	AN	19
#define	MACED	OONIAN	20
#define	BULGA	RIAN	21
#define	GREEK		22
#define	POLIS	H	23
#define	CZECH	Į.	24
#define	SLOVA	λK	25
#define	SLOVE	NIAN	26
#define	HUNGA	RIAN	27
#define	ROMAN	IAN	28
#define	TURKI	SH	29
#define	LATVI	AN	30
#define	LITHU	JANIAN	31
#define	ESTON	IAN	32
#define	KOREA	N	33

The StringFormat defines the format used for the String data type. The monitor uses 16bit Unicode characters.

Attribute: IP Address Information

The IP Address Information attribute identifies the network interface of the monitor.

```
Attribute ID: NOM_ATTR_NET_ADDR_INFO
Attribute Type: IpAddressInfo
Attribute Groups: -
Availability: -
```

The *IpAddressInfo* is defined as follows:

Partition IDs

The following sections contain a list of identifiers which are used within the monitor. Each identifier is unique within a given partition.

```
#define NOM_PART_OBJ
                                                 1
   /* Object Oriented Elements */
#define NOM PART SCADA
   /* Physiological Measurements */
#define NOM PART EVT
                                                 3
   /* Events for Alerts */
#define NOM_PART_DIM
   /* Units of Measurement */
#define NOM PART PGRP
   /* Identification of Parameter Groups */
#define NOM PART INFRASTRUCT
   /* Infrastructure Elements */
#define NOM PART EMFC
                                                 1025
   /* EMFC */
#define NOM PART SETTINGS
                                                 1026
   /* Settings */
```

Object Classes

The following IDs identify object types. They are taken from the Object Oriented Elements partition. These objects may be the source of alerts (see "Alert Monitor Object" on page 99).

		,
NOM	MOC_VMO	1
NOM	VMO MOC VMO METRIC NU	6
-	Numeric	
NOM	_MOC_VMO_METRIC_SA_RT	9
	Realtime Sample Array	
NOM_	_MOC_VMS_MDS	33
	MDS	
NOM_	_MOC_VMS_MDS_COMPOS_SINGLE_BED Composit Single Bed MDS	35
NOM	MOC VMS MDS SIMP	37
_	Simple MDS	
NOM	MOC_BATT	41
	Battery	
NOM_	_MOC_PT_DEMOG	42
27024	Patient Demographics	E 4
NOM_	MOC_VMO_AL_MON	54
	Alert Monitor	2001
NOM_	_ACT_POLL_MDIB_DATA	3094
	Poll Action	
NOM_	NOTI_MDS_CREAT	3334
27024	MDS Create	2251
NOM_	NOTI_CONN_INDIC	3351
	Connect Indication	
NOM_	_DEV_METER_CONC_SKIN_GAS	4264
NOM	Skin Gas	1001
NOM_	_DEV_METER_FLOW_BLD	4284
MOM	Blood Flow DEV ANALY CONC GAS MULTI PARAM MDS	1112
INOM_		4113
NOM	Gas Analyzer _DEV_ANALY_CONC_GAS_MULTI_PARAM_VMD	4114
	Gas	
NOM	_DEV_METER_CONC_SKIN_GAS_MDS	4265
	Skin Gas	
NOM	_DEV_MON_PHYSIO_MULTI_PARAM_MDS	4429
	Multi-Param	
NOM	_DEV_PUMP_INFUS_MDS	4449
	Pump Infus	
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MOM_	_DEV_ANALY_SAT_O2_VMD	4106
	sat 02	
MOM_	_DEV_ANALY_CONC_GAS_MULTI_PARAM_VMD	4114
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MOM_	_DEV_ANALY_FLOW_AWAY_VMD	4130
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MOM_	_DEV_ANALY_CARD_OUTPUT_VMD	4134
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NOM_DEV_ANALY_PRESS_BLD_VMD	4174
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RR NOM_DEV_CALC_VMD Calculation	4206
NOM_DEV_ECG_VMD ECG	4262
NOM_DEV_METER_CONC_SKIN_GAS_VMD Skin Gas	4266
NOM_DEV_EEG_VMD EEG	4274
NOM_DEV_METER_TEMP_BLD_VMD Blood Temp	4350
NOM_DEV_METER_TEMP_VMD Temp	4366
NOM_DEV_MON_BLD_CHEM_MULTI_PARAM_VMD Bld Chem	4398
NOM_DEV_SYS_PT_VENT_VMD Ventilator	4466
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NOM_DEV_ARRHY_VMD Arrythmia	5134
NOM_DEV_PULS_VMD	5138
Pulse NOM_DEV_ST_VMD ST	5142
NOM_DEV_CO2_VMD CO2	5146
NOM_DEV_PRESS_BLD_NONINV_VMD Noninv Press	5150
NOM_DEV_CEREB_PERF_VMD	5154
Cereb Perf NOM_DEV_CO2_CTS_VMD	5158
CO2 CTS NOM_DEV_CO2_TCUT_VMD	5162
TcCO2 NOM_DEV_O2_VMD	5166
O2 NOM_DEV_O2_CTS_VMD	5170
CTS NOM_DEV_O2_TCUT_VMD	5174
TC02 NOM_DEV_TEMP_DIFF_VMD	5178
Diff Temp NOM_DEV_CNTRL_VMD	5182
Control NOM_DEV_WEDGE_VMD	5190
Wedge NOM_DEV_O2_VEN_SAT_VMD	5194
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Hires Trend NOM_DEV_HIRES_TREND_MDS Hires Trend NOM_DEV_HIRES_TREND_VMD Hires Trend NOM_DEV_MON_PT_EVENT_VMD Events NOM_DEV_DERIVED_MSMT Derived Measurement NOM_DEV_DERIVED_MSMT_MDS Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Serived Measurement NOM_OBJ_SENSOR Sensor NOM_OBJ_XDUCR	61821 61822 61826 61828 61829 61830 61902
Hires Trend NOM_DEV_HIRES_TREND_MDS Hires Trend NOM_DEV_HIRES_TREND_VMD Hires Trend NOM_DEV_MON_PT_EVENT_VMD Events NOM_DEV_DERIVED_MSMT Derived Measurement NOM_DEV_DERIVED_MSMT_MDS Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_OBJ_SENSOR Sensor NOM_OBJ_SENSOR Transducer NOM_OBJ_CHAN_1 Channel 1 NOM_OBJ_CHAN_2	61821 61822 61826 61828 61829 61830 61902 61903
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Hires Trend NOM_DEV_HIRES_TREND_MDS Hires Trend NOM_DEV_HIRES_TREND_VMD Hires Trend NOM_DEV_MON_PT_EVENT_VMD Events NOM_DEV_DERIVED_MSMT Derived Measurement NOM_DEV_DERIVED_MSMT_MDS Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_OBJ_SENSOR Sensor NOM_OBJ_SENSOR Transducer NOM_OBJ_CHAN_1 Channel 1 NOM_OBJ_CHAN_2 Channel 2	61821 61822 61826 61828 61829 61830 61902 61903 61916 61917
Hires Trend NOM_DEV_HIRES_TREND_MDS Hires Trend NOM_DEV_HIRES_TREND_VMD Hires Trend NOM_DEV_MON_PT_EVENT_VMD Events NOM_DEV_DERIVED_MSMT Derived Measurement NOM_DEV_DERIVED_MSMT_MDS Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_OBJ_SENSOR Sensor NOM_OBJ_SENSOR Transducer NOM_OBJ_XDUCR Transducer NOM_OBJ_CHAN_1 Channel 1 NOM_OBJ_CHAN_2 Channel 2 NOM_OBJ_AWAY_AGENT_1 Agent 1 NOM_OBJ_AWAY_AGENT_2 Agent 2	61821 61822 61826 61828 61829 61830 61902 61903 61916 61917 61918
Hires Trend NOM_DEV_HIRES_TREND_MDS Hires Trend NOM_DEV_HIRES_TREND_VMD Hires Trend NOM_DEV_MON_PT_EVENT_VMD Events NOM_DEV_DERIVED_MSMT Derived Measurement NOM_DEV_DERIVED_MSMT_MDS Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_OBJ_SENSOR Sensor NOM_OBJ_SENSOR Sensor NOM_OBJ_XDUCR Transducer NOM_OBJ_CHAN_1 Channel 1 NOM_OBJ_CHAN_2 Channel 2 NOM_OBJ_AWAY_AGENT_1 Agent 1 NOM_OBJ_AWAY_AGENT_2	61821 61822 61826 61828 61829 61830 61902 61903 61916 61917
Hires Trend NOM_DEV_HIRES_TREND_MDS Hires Trend NOM_DEV_HIRES_TREND_VMD Hires Trend NOM_DEV_MON_PT_EVENT_VMD Events NOM_DEV_DERIVED_MSMT Derived Measurement NOM_DEV_DERIVED_MSMT_MDS Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_DEV_DERIVED_MSMT_VMD Derived Measurement NOM_OBJ_SENSOR Sensor NOM_OBJ_SENSOR Transducer NOM_OBJ_XDUCR Transducer NOM_OBJ_CHAN_1 Channel 1 NOM_OBJ_CHAN_2 Channel 2 NOM_OBJ_AWAY_AGENT_1 Agent 1 NOM_OBJ_AWAY_AGENT_2 Agent 2 NOM_OBJ_HIF_MOUSE	61821 61822 61826 61828 61829 61830 61902 61903 61916 61917 61918

NOM_OBJ_HIF_SPEEDPOINT	61985
Speedpoint NOM_OBJ_HIF_ALARMBOX	61986
Alarmbox NOM_OBJ_BUS_I2C	61987
I2C Bus NOM_OBJ_CPU_SEC	61988
2nd CPU NOM OBJ LED	61990
LED NOM OBJ RELAY	61991
 Relay	
NOM_OBJ_BATT_1 Battery 1	61996
NOM_OBJ_BATT_2 Battery 2	61997
NOM_OBJ_DISP_SEC 2nd Display	61998
NOM_OBJ_AGM AGM	61999
NOM_OBJ_TELEMON TeleMon	62014
NOM_OBJ_XMTR	62015
Transmitter NOM_OBJ_CABLE	62016
Cable NOM_OBJ_TELEMETRY_XMTR	62053
Telemetry Transmitter NOM OBJ MMS	62070
MMS NOM OBJ DISP THIRD	62073
Third Display	62078
NOM_OBJ_BATT Battery	
NOM_OBJ_BATT_TELE Battery Tele	62091
NOM_DEV_PROT_WATCH_CHAN Protocol Watch generic	62095
NOM_OBJ_PROT_WATCH_1 Protocol Watch Protocol No. 1	62097
NOM_OBJ_PROT_WATCH_2 Protocol Watch Protocol No. 2	62098
NOM_OBJ_PROT_WATCH_3	62099
Protocol Watch Protocol No. 3 NOM_OBJ_ECG_SYNC ECG Sync	62147
NOM_DEV_METAB_VMD Metabolism	62162
NOM_OBJ_SENSOR_O2_CO2	62165
SENSOR O2 CO2 NOM_OBJ_SRR_IF_1	62208
SRR Interface 1 NOM_OBJ_DISP_REMOTE REMOTE DISPLAY	62228

Physiological Identifier

A Physiological Identifier denotes the origin of a physiological measurement. The identifiers are located in the SCADA partition. The Physiological Identifier is transmitted as part of the numeric or wave observed value. The Physiological Identifier may not be unique. However, it is guaranteed that the Label ID is unique. The Label ID is mapped to a Label String based on the text catalogue (see "Attribute: System Localization" on page 92). Note that the mapping listed below may not be complete and is subject to changes and additions, due to revision changes and additions from additional interfaced devices. The table below should be viewed as an example.

The list below shows the numerics and waves which are supported by the monitor. The numerics and waves are sorted according to their internal priority, i.e. numerics or waves with a higher priority are listed first. This information depends heavily on the software revision of the monitor and the connected devices. Especially data coming from a VueLink module depends on the version of the VueLink driver and the specification of the connected external device. The list contains the possible unit codes for the numerics and waves. The unit codes for numerics/waves acquired through data import interfaces (e.g. VueLink) are not documented, because this data depends on the implementation of the specific data import driver. If a particular parameter is sourced from VueLink or IntelliBridge EC10, for some external devices numerical measurements listed as compound numeric in the below table may be provided as "simple" numerics. In this case, the corresponding 32bit label identifier is constructed by the listed physiological identifier (16bit) with preceding 16 bits 0x0002 (for measurements) or 0x0402 (for settings).

For a given software revision, the IntelliVue monitor may not export all of the numerics specified below. The IntelliVue monitor may export numerics, which are not specified here. If a numeric is exported also depends on the configuration of the monitor. In general, a numeric will only be available if the required measurement module is connected and if the specific measurement is activated. Some measurements require the presence of more than one measurement module or special configuration steps may be necessary to activate the measurement.

Numerics

HR	Heart Rate	
	Label:	
	NLS_NOM_ECG_CARD_BEAT_RATE	0x00024182
	Observed Value:	
	NOM_ECG_CARD_BEAT_RATE	0x4182
	Units:	
	NOM_DIM_BEAT_PER_MIN	0x0AA0
btbHR	Cardiac Beat-to-Beat Rate	
	Label:	
	NLS_NOM_ECG_CARD_BEAT_RATE_BTB	0x0002418A
	Observed Value:	
	NOM_ECG_CARD_BEAT_RATE_BTB	0x418A
PVC	Premature Ventricular Contractions	
	Label:	
	NLS_NOM_ECG_V_P_C_CNT	0x00024261
	Observed Value:	
	NOM_ECG_V_P_C_CNT	0x4261
	Units:	
	NOM_DIM_BEAT_PER_MIN	0x0AA0
ST	ST generic label	
	Label:	
	NLS_NOM_ECG_AMPL_ST	0x00020300
	Compound Observed Value:	
	NOM_ECG_AMPL_ST_I	0x0301
	NOM_ECG_AMPL_ST_II	0x0302
	NOM_ECG_AMPL_ST_III	0x033D

	NOV. TIGG AVID. GT. AVID.	
	NOM_ECG_AMPL_ST_AVR	0x033E
	NOM_ECG_AMPL_ST_AVL	0x033F
	NOM_ECG_AMPL_ST_AVF	0x0340
	NOM_ECG_AMPL_ST_V NOM_ECG_AMPL_ST_MCL	0x0343 0x034B
	NOM ECG AMPL ST V1	0x034B
	NOM ECG AMPL ST V2	0x0303
	NOM ECG AMPL ST V3	0x0305
	NOM ECG AMPL ST V4	0x0306
	NOM ECG AMPL ST V5	0x0307
	NOM_ECG_AMPL_ST_V6	0x0308
	NOM_ECG_AMPL_ST_V7	0x0309
	NOM_ECG_AMPL_ST_V8	0x0347
	NOM_ECG_AMPL_ST_V9	0x03FC
	NOM_ECG_AMPL_ST_V3R	0x030B
	NOM_ECG_AMPL_ST_V4R	0x030C
	NOM_ECG_AMPL_ST_V5R	0x030D
	NOM_ECG_AMPL_ST_V6R	0x030E
	NOM_ECG_AMPL_ST_AS	0x0365
	NOM_ECG_AMPL_ST_ES NOM_ECG_AMPL_ST_AI	0x0364 0x0366
	Units:	0X0366
	NOM DIM MILLI M	0x0512
STindx	ST Index	010312
	Label:	
	NLS NOM ECG AMPL ST INDEX	0x0002F03D
	Observed Value:	
	NOM_ECG_AMPL_ST_INDEX	0xF03D
	Units:	
	NOM_DIM_MILLI_M	0x0512
QTc		
	Label:	
	NLS_NOM_ECG_TIME_PD_QTc	0x00023F24
	Observed Value:	02.53.4
	NOM_ECG_TIME_PD_QTc Units:	0x3F24
	NOM DIM MILLI SEC	0x0892
DeltaQTc	NON_DIM_HIBBI_DBC	020002
20100210	Label:	
	NLS NOM ECG TIME PD QTc DELTA	0x0002F156
	Observed Value:	
	NOM_ECG_TIME_PD_QTc_DELTA	0xF156
	Units:	
	NOM_DIM_MILLI_SEC	0x0892
QT		
	Label:	
	NLS_NOM_ECG_TIME_PD_QT_GL	0x00023F20
	Observed Value:	02.50.0
	NOM_ECG_TIME_PD_QT_GL Units:	0x3F20
	NOM DIM MILLI SEC	0x0892
QT-HR	QT HEARTRATE	0.00002
Q1 III	Label:	
	NLS NOM ECG TIME PD QT HEART RATE	0x0002F154
	Observed Value:	
	NOM ECG TIME PD QT HEART RATE	0xF154
	Units:	
	NOM_DIM_BEATS_PER_MIN	
QT Bsl		
	Label:	
	NLS_NOM_ECG_TIME_PD_QT_BASELINE	0x0002F155
	Observed Value:	0B1 5 5
	NOM_ECG_TIME_PD_QT_BASELINE	0xF155
	Units:	0*0000
	NOM_DIM_MILLI_SEC	0x0892

Label:	QTHRBl	QT BASELINE HEARTRATE	
NOM PICT TIME PD_OT_BASELINE_HEART_RATE			0x0002F157
NOM_DIM_MILLI_SEC			0xF157
Label:			0x0892
NLS NOW PULS RATE	Pulse		
NOM_PULS_RATE		NLS_NOM_PULS_RATE	0x0002480A
NOM_DIM_BEAT_PER_MIN Ox00A00		NOM_PULS_RATE	0x480A
Label: NLS_NOM_PULS_OXIM_SAT_02			0x0AA0
NLS NOM PULS_OXIM_SAT_O2	SpO2	_	
NOM_PULS_OXIM_SAT_O2			0x00024BB8
Units:			0×4BB8
Pulse			OX4DDO
Label: NLS_NOM_PULS_OXIM_PULS_RATE OX00024822 Observed Value: NOM_PLETH_PULS_RATE OX4822 Units: NOM_DIM_BEAT_PER_MIN OX0AA0	Pulse		0x0220
Observed Value:	ruibe		
NOM_PLETH_PULS_RATE			0x00024822
NOM_DIM_BEAT_PER_MIN		NOM_PLETH_PULS_RATE	0x4822
Sp02pr			0x0AA0
NLS_NOM_PULS_OXIM_SAT_O2_PRE_DUCTAL Ox0002F1C0	Sp02pr	Oxigen Saturation	
Observed Value: NOM_PULS_OXIM_SAT_O2_PRE_DUCTAL Units: NOM_DIM_PERCENT Ox0220			0x0002F1C0
Units: NOM_DIM_PERCENT 0x0220 Pulse Pulse Rate from Plethysmogram (pre ductal) Label: NLS_SP02_NAMES_PULS_OXIM_PULS_RATE_PRE_DUCTAL 0x8015543D Observed Value: NOM_PLETH_PULS_RATE 0x4822 Units: NOM_DIM_BEAT_PER_MIN 0x0AA0 Sp02po Oxigen_Saturation Label: NLS_NOM_PULS_OXIM_SAT_02_POST_DUCTAL 0x9002F1D4 Observed Value: NOM_PULS_OXIM_SAT_02_POST_DUCTAL 0xF1D4 Units: NOM_DIM_PERCENT 0x0220 Pulse Pulse Rate from Plethysmogram (post ductal) Label: NLS_SP02_NAMES_PULS_OXIM_PULS_RATE_POST_DUCTAL 0x80155440 Observed Value: NOM_PLETH_PULS_RATE 0x4822 Units: NOM_DIM_BEAT_PER_MIN 0x0AA0 \$Sp02T Sp02_parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_02_TELE 0x602F09C Observed Value: NOM_PULS_OXIM_SAT_02_TELE 0x6022F09C		Observed Value:	0F1 G0
Pulse			0XF1C0
Label: NLS_SPO2_NAMES_PULS_OXIM_PULS_RATE_PRE_DUCTAL Observed Value: NOM_PLETH_PULS_RATE NOM_DIM_BEAT_PER_MIN Ox002F1D4 Observed Value: NLS_NOM_PULS_OXIM_SAT_O2_POST_DUCTAL Observed Value: NOM_PULS_OXIM_SAT_O2_POST_DUCTAL Observed Value: NOM_PULS_OXIM_SAT_O2_POST_DUCTAL Units: NOM_DIM_PERCENT Ox0220 Pulse Pulse Rate from Plethysmogram (post ductal) Label: NLS_SPO2_NAMES_PULS_OXIM_PULS_RATE_POST_DUCTAL Observed Value: NOM_PLETH_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Spo2_Parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_O2_TELE NOM_PULS_OXIM_SAT_O2_TELE NOM_PULS_OXIM_SAT_O2_TELE NOM_DIM_PERCENT Ox0220 PulseT Pulse parameter label as sourced by the Telemetry system Oxf09C Units: NOM_PULS_OXIM_SAT_O2_TELE Oxf09C Units: NOM_DIM_PERCENT Ox0220 PulseT	Dulgo		0x0220
Observed Value: NOM_PLETH_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Sp02po Oxigen Saturation Label: NLS_NOM_PULS_OXIM_SAT_02_POST_DUCTAL Observed Value: NOM_PULS_OXIM_SAT_02_POST_DUCTAL Units: NOM_PULS_OXIM_SAT_02_POST_DUCTAL Units: NOM_DIM_PERCENT Ox0220 Pulse Pulse Rate from Plethysmogram (post ductal) Label: NLS_SP02_NAMES_PULS_OXIM_PULS_RATE_POST_DUCTAL Observed Value: NOM_PLETH_PULS_RATE Vnits: NOM_DIM_BEAT_PER_MIN Sp02_parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_02_TELE NOM_PULS_OXIM_SAT_02_TELE	ruise		
NOM_PLETH_PULS_RATE			0x8015543D
NOM_DIM_BEAT_PER_MIN 0x0AA0			0x4822
Sp02po Oxigen Saturation Label: NLS NOM_PULS_OXIM_SAT_02_POST_DUCTAL Observed Value: NOM_PULS_OXIM_SAT_02_POST_DUCTAL Units: NOM_DIM_PERCENT Ox0220 Pulse Pulse Rate from Plethysmogram (post ductal) Label: NLS_SP02_NAMES_PULS_OXIM_PULS_RATE_POST_DUCTAL Observed Value: NOM_PLETH_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Ox0AA0 \$Sp02T Sp02_parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_02_TELE NOM_PULS_OXIM_SAT_02_TELE NOM_PULS_OXIM_SAT_02_TELE NOM_DIM_PERCENT NOM_DIM_PERCENT Ox0220 PulseT Pulse parameter label as sourced by the Telemetry system			0440×0
NLS_NOM_PULS_OXIM_SAT_O2_POST_DUCTAL Observed Value: NOM_PULS_OXIM_SAT_O2_POST_DUCTAL Units: NOM_DIM_PERCENT Ox0220 Pulse Pulse Rate from Plethysmogram (post ductal) Label: NLS_SPO2_NAMES_PULS_OXIM_PULS_RATE_POST_DUCTAL Observed Value: NOM_PLETH_PULS_RATE NOM_PLETH_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Ox0AAO \$SPO2T SpO2 parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_O2_TELE Ox6002F09C Observed Value: NOM_PULS_OXIM_SAT_O2_TELE NOM_PULS_OXIM_SAT_O2_TELE NOM_PULS_OXIM_SAT_O2_TELE NOM_DIM_PERCENT Ox0220 PulseT Pulse parameter label as sourced by the Telemetry system	Sp02po		011011110
Observed Value: NOM_PULS_OXIM_SAT_O2_POST_DUCTAL Units: NOM_DIM_PERCENT Ox0220 Pulse Pulse Rate from Plethysmogram (post ductal) Label: NLS_SPO2_NAMES_PULS_OXIM_PULS_RATE_POST_DUCTAL Observed Value: NOM_PLETH_PULS_RATE Vnits: NOM_DIM_BEAT_PER_MIN Ox0AAO \$SPO2T Sp02_parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_O2_TELE Ox5FO9C Units: NOM_PULS_OXIM_SAT_O2_TELE NOM_PULS_OXIM_SAT_O2_TELE NOM_PULS_OXIM_SAT_O2_TELE NOM_DIM_PERCENT Ox00220 PulseT Pulse parameter label as sourced by the Telemetry system			0x0002F1D4
Units: NOM_DIM_PERCENT 0x0220 Pulse Pulse Rate from Plethysmogram (post ductal) Label: NLS_SPO2_NAMES_PULS_OXIM_PULS_RATE_POST_DUCTAL 0x80155440 Observed Value: NOM_PLETH_PULS_RATE 0x4822 Units: NOM_DIM_BEAT_PER_MIN 0x0AA0 *SPO2T SpO2 parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_O2_TELE 0x0002F09C Observed Value: NOM_PULS_OXIM_SAT_O2_TELE 0xF09C Units: NOM_DIM_PERCENT 0x0220 PulseT Pulse parameter label as sourced by the Telemetry system		Observed Value:	
Pulse Pulse Rate from Plethysmogram (post ductal) Label: NLS_SPO2_NAMES_PULS_OXIM_PULS_RATE_POST_DUCTAL Observed Value: NOM_PLETH_PULS_RATE Ox4822 Units: NOM_DIM_BEAT_PER_MIN Ox0AA0 \$SPO2T SpO2 parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_O2_TELE Ox6002F09C Observed Value: NOM_PULS_OXIM_SAT_O2_TELE NOM_PULS_OXIM_SAT_O2_TELE OxF09C Units: NOM_DIM_PERCENT Ox0220 PulseT Pulse parameter label as sourced by the Telemetry system			0xF1D4
Label: NLS_SPO2_NAMES_PULS_OXIM_PULS_RATE_POST_DUCTAL Observed Value: NOM_PLETH_PULS_RATE Ox4822 Units: NOM_DIM_BEAT_PER_MIN Ox0AA0 *SpO2T SpO2_parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_O2_TELE Ox6002F09C Observed Value: NOM_PULS_OXIM_SAT_O2_TELE Ox709C Units: NOM_DIM_PERCENT Ox0220 PulseT Pulse parameter label as sourced by the Telemetry system	D 3		0x0220
Observed Value: NOM_PLETH_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Sp02 parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_02_TELE Observed Value: NOM_PULS_OXIM_SAT_02_TELE NOM_PULS_OXIM_SAT_02_TELE Oxf09C Units: NOM_DIM_PERCENT Ox0220 PulseT Pulse parameter label as sourced by the Telemetry system	Pulse		
NOM_PLETH_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN \$SPO2T Sp02 parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_O2_TELE Observed Value: NOM_PULS_OXIM_SAT_O2_TELE NOM_PULS_OXIM_SAT_O2_TELE OxF09C Units: NOM_DIM_PERCENT Ox0220 PulseT Pulse parameter label as sourced by the Telemetry system			0x80155440
NOM_DIM_BEAT_PER_MIN Sp02 parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_02_TELE Oxc002F09C Observed Value: NOM_PULS_OXIM_SAT_02_TELE VOM_PULS_OXIM_SAT_02_TELE VOM_DIM_PERCENT Oxc0220 PulseT Pulse parameter label as sourced by the Telemetry system			0x4822
Sp02 parameter label as sourced by the Telemetry system Label: NLS_NOM_PULS_OXIM_SAT_O2_TELE			0×0AA0
NLS_NOM_PULS_OXIM_SAT_O2_TELE 0x0002F09C Observed Value: NOM_PULS_OXIM_SAT_O2_TELE 0xF09C Units: NOM_DIM_PERCENT 0x0220 PulseT Pulse parameter label as sourced by the Telemetry system	%SpO2T	Sp02 parameter label as sourced by the Telemetry system	02101110
NOM_PULS_OXIM_SAT_O2_TELE 0xF09C Units: NOM_DIM_PERCENT 0x0220 PulseT Pulse parameter label as sourced by the Telemetry system			0x0002F09C
Units: NOM_DIM_PERCENT PulseT Pulse parameter label as sourced by the Telemetry system			0F0.0.C
PulseT Pulse parameter label as sourced by the Telemetry system			UXFU9C
	Dulaom		0x0220
	IUIDCI		

	NLS_NOM_PULS_OXIM_PULS_RATE_TELE	0x0002F09D
	Observed Value: NOM_PULS_OXIM_PULS_RATE_TELE Units:	0xF09D
SpO2 r	NOM_DIM_BEAT_PER_MIN Arterial Oxigen Saturation (right)	0x0AA0
	Label: NLS_NOM_PULS_OXIM_SAT_O2_ART_RIGHT Observed Value:	0x00024BCC
	NOM_PULS_OXIM_SAT_O2_ART_RIGHT	0x4BCC
	Units: NOM_DIM_PERCENT	0x0220
Pulse	Pulse Rate from Plethysmogram (right) Label:	
	NLS_SPO2_NAMES_PULS_OXIM_PULS_RATE_RIGHT Observed Value:	0x80155402
	NOM_PLETH_PULS_RATE	0x4822
	Units: NOM DIM BEAT PER MIN	0x0AA0
Sp02 1	Arterial Oxigen Saturation (left) Label:	
	NLS_NOM_PULS_OXIM_SAT_O2_ART_LEFT	0x00024BC8
	Observed Value: NOM_PULS_OXIM_SAT_O2_ART_LEFT	0x4BC8
	Units: NOM_DIM_PERCENT	0x0220
Pulse	Pulse Rate from Plethysmogram (left)	
	Label: NLS_SPO2_NAMES_PULS_OXIM_PULS_RATE_LEFT	0x80155401
	Observed Value: NOM PLETH PULS RATE	0x4822
	Units:	00770
D-1+-0-00	NOM_DIM_BEAT_PER_MIN	0x0AA0
DeltaSpO2	Difference between two SpO2 Values (like Left - Right)	
DeltaspO2	Label: NLS NOM PULS OXIM SAT O2 DIFF	0x00024BC4
Deitasp02	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value:	
Deltaspoz	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF	0x00024BC4 0x4BC4
-	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT	
Perf	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label:	0x4BC4 0x0220
-	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator	0x4BC4
-	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL	0x4BC4 0x0220
Perf	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units: NOM_DIM_DIMLESS	0x4BC4 0x0220 0x00024BB0
-	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units:	0x4BC4 0x0220 0x00024BB0 0x4BB0
Perf	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL	0x4BC4 0x0220 0x00024BB0 0x4BB0
Perf	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL	0x4BC4 0x0220 0x00024BB0 0x4BB0 0x0200
Perf	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_DIM_DIMLESS	0x4BC4 0x0220 0x00024BB0 0x4BB0 0x0200 0x0002F22C
Perf	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units:	0x4BC4 0x0220 0x00024BB0 0x4BB0 0x0200 0x0002F22C 0xF22C
Perf	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_POST_DUCTAL	0x4BC4 0x0220 0x00024BB0 0x4BB0 0x0200 0x0002F22C 0xF22C
Perf	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_POST_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_POST_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_POST_DUCTAL	0x4BC4 0x0220 0x00024BB0 0x4BB0 0x0200 0x0002F22C 0xF22C 0x0200
Perf	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_POST_DUCTAL Observed Value:	0x4BC4 0x0220 0x00024BB0 0x4BB0 0x0200 0x0002F22C 0xF22C 0x0200 0x0002F1DC
Perf	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Observed Value: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_POST_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_POST_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_POST_DUCTAL Units: NOM_DIM_DIMLESS Perf_from_Telemetry	0x4BC4 0x0220 0x00024BB0 0x4BB0 0x0200 0x0002F22C 0xF22C 0x0200 0x0002F1DC 0xF1DC
PerfPr PerfPo	Label: NLS_NOM_PULS_OXIM_SAT_O2_DIFF Observed Value: NOM_PULS_OXIM_SAT_O2_DIFF Units: NOM_DIM_PERCENT Perfusion Indicator Label: NLS_NOM_PULS_OXIM_PERF_REL Observed Value: NOM_PULS_OXIM_PERF_REL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Units: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_PRE_DUCTAL Observed Value: NOM_DIM_DIMLESS Relative Perfusion Left Label: NLS_NOM_PULS_OXIM_PERF_REL_POST_DUCTAL Observed Value: NOM_PULS_OXIM_PERF_REL_POST_DUCTAL Units: NOM_PULS_OXIM_PERF_REL_POST_DUCTAL Units: NOM_DIM_DIMLESS	0x4BC4 0x0220 0x00024BB0 0x4BB0 0x0200 0x0002F22C 0xF22C 0x0200 0x0002F1DC 0xF1DC

	NOM_PULS_OXIM_PERF_REL_TELE	0xF12C
	Units: NOM DIM DIMLESS	0x0200
Perf r	Relative Perfusion Right label	010200
	Label:	
	NLS_NOM_PULS_OXIM_PERF_REL_RIGHT Observed Value:	0x0002F08B
	NOM PULS OXIM PERF REL RIGHT	0xF08B
	Units:	
- 6 7	NOM_DIM_DIMLESS	0x0200
Perf l	Relative Perfusion Left Label:	
	NLS NOM PULS OXIM PERF REL LEFT	0x0002F08A
	Observed Value:	
	NOM_PULS_OXIM_PERF_REL_LEFT Units:	0xF08A
	NOM DIM DIMLESS	0x0200
NBP	non-invasive blood pressure	0110200
	Label:	
	NLS_NOM_PRESS_BLD_NONINV Observed Value (from VueLink):	0x00024A04
	NOM PRESS BLD NONINV	0x4A04
	Compound Observed Value:	
	NOM_PRESS_BLD_NONINV_SYS	0x4A05
	NOM_PRESS_BLD_NONINV_DIA NOM PRESS BLD NONINV MEAN	0x4A06 0x4A07
	Units:	OX4R07
	NOM_DIM_MMHG	0x0F20
Dulgo	NOM_DIM_KILO_PASCAL	0x0F03
Pulse	Pulse from NBP Label:	
	NLS_NOM_PRESS_BLD_NONINV_PULS_RATE	0x0002F0E5
	Observed Value:	
	NOM_PRESS_BLD_NONINV_PULS_RATE	0xF0E5
	Units:	
	NOM_DIM_BEAT_PER_MIN	0x0AA0
ABP	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP)	0x0AA0
ABP	NOM_DIM_BEAT_PER_MIN	0x0AA0 0x00024A14
ABP	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink):	
ABP	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP	
ABP	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value:	0x00024A14
ABP	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA	0x00024A14 0x4A14
ABP	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_DIA	0x00024A14 0x4A14 0x4A15
ABP	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units:	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17
ABP	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_DIA	0x00024A14 0x4A14 0x4A15 0x4A16
ABP	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17
	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label:	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03
	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label: NLS_PRESS_NAMES_PULSE_FROM_ABP	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17
	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label:	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03
	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label: NLS_PRESS_NAMES_PULSE_FROM_ABP Observed Value: NOM_PULS_RATE Units:	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03 0x80035402
Pulse	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label: NLS_PRESS_NAMES_PULSE_FROM_ABP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03
	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label: NLS_PRESS_NAMES_PULSE_FROM_ABP Observed Value: NOM_PULS_RATE Units:	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03 0x80035402
Pulse	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label: NLS_PRESS_NAMES_PULSE_FROM_ABP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ART) Label: NLS_NOM_PRESS_BLD_ART	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03 0x80035402
Pulse	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label: NLS_PRESS_NAMES_PULSE_FROM_ABP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ART) Label: NLS_NOM_PRESS_BLD_ART Observed Value (from VueLink):	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03 0x80035402 0x480A 0x0AA0
Pulse	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label: NLS_PRESS_NAMES_PULSE_FROM_ABP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ART) Label: NLS_NOM_PRESS_BLD_ART Observed Value (from VueLink): NOM_PRESS_BLD_ART	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03 0x80035402 0x480A 0x0AA0
Pulse	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label: NLS_PRESS_NAMES_PULSE_FROM_ABP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ART) Label: NLS_NOM_PRESS_BLD_ART Observed Value (from VueLink): NOM_PRESS_BLD_ART Compound Observed Value: NOM_PRESS_BLD_ART Compound Observed Value: NOM_PRESS_BLD_ART_SYS	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03 0x80035402 0x480A 0x0AA0
Pulse	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label: NLS_PRESS_NAMES_PULSE_FROM_ABP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ART) Label: NLS_NOM_PRESS_BLD_ART Observed Value (from VueLink): NOM_PRESS_BLD_ART Compound Observed Value: NOM_PRESS_BLD_ART_SYS NOM_PRESS_BLD_ART_DIA	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03 0x80035402 0x480A 0x0AA0 0x0AA0 0x0AA10 0x4A11 0x4A12
Pulse	NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ABP) Label: NLS_NOM_PRESS_BLD_ART_ABP Observed Value (from VueLink): NOM_PRESS_BLD_ART_ABP Compound Observed Value: NOM_PRESS_BLD_ART_ABP_SYS NOM_PRESS_BLD_ART_ABP_DIA NOM_PRESS_BLD_ART_ABP_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from ABP Label: NLS_PRESS_NAMES_PULSE_FROM_ABP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Arterial Blood Pressure (ART) Label: NLS_NOM_PRESS_BLD_ART Observed Value (from VueLink): NOM_PRESS_BLD_ART Compound Observed Value: NOM_PRESS_BLD_ART Compound Observed Value: NOM_PRESS_BLD_ART_SYS	0x00024A14 0x4A14 0x4A15 0x4A16 0x4A17 0x0F20 0x0F03 0x80035402 0x480A 0x0AA0 0x0AA0

	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
Pulse	Pulse derived from ART	
	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_ART	0x80035403
	Observed Value:	
	NOM_PULS_RATE	0x480A
	Units:	
	NOM_DIM_BEAT_PER_MIN	0x0AA0
Ao	Arterial Blood Pressure in the Aorta (Ao)	
	Label:	
	NLS_NOM_PRESS_BLD_AORT	0x00024A0C
	Observed Value (from VueLink):	
	NOM PRESS BLD AORT	0x4A0C
	Compound Observed Value:	
	NOM PRESS BLD AORT SYS	0x4A0D
	NOM PRESS BLD AORT DIA	0x4A0E
	NOM PRESS BLD AORT MEAN	0x4A0F
	Units:	
	NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F03
Pulse	Pulse derived from Ao	
	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_AO	0x80035404
	Observed Value:	
	NOM PULS RATE	0×480A
	Units:	
	NOM DIM BEAT PER MIN	0AA0x0
PAP	Pulmonary Arterial Pressure (PAP)	
	Label:	
	NLS NOM PRESS BLD ART PULM	0x00024A1C
	Observed Value (from VueLink):	
	NOM_PRESS_BLD_ART_PULM	0x4A1C
	Compound Observed Value:	01111111
	NOM PRESS BLD ART PULM SYS	0x4A1D
	NOM PRESS BLD ART PULM DIA	0x4A1E
	NOM PRESS BLD ART PULM MEAN	0x4A1F
	Units:	ONITIE
	NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F03
Pulse	Pulse derived from PAP	020103
ruise	Label:	
	NLS PRESS NAMES PULSE FROM PAP	0x80035405
	Observed Value:	0.000035405
		0x480A
	NOM_PULS_RATE Units:	UX46UA
		00770
CVP	NOM_DIM_BEAT_PER_MIN Central Venous Pressure (CVP)	0x0AA0
CVP	Label:	
		000004744
	NLS_NOM_PRESS_BLD_VEN_CENT	0x00024A44
	Observed Value (from VueLink):	04744
	NOM_PRESS_BLD_VEN_CENT	0x4A44
	Compound Observed Value:	0.4345
	NOM_PRESS_BLD_VEN_CENT_SYS	0x4A45
	NOM_PRESS_BLD_VEN_CENT_DIA	0x4A46
	NOM_PRESS_BLD_VEN_CENT_MEAN	0x4A47
	Units:	
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
Pulse	Pulse derived from CVP	
	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_CVP	0x80035406
	Observed Value:	
	NOM_PULS_RATE	0x480A
	Units:	

RAP	NOM_DIM_BEAT_PER_MIN Right Atrial Pressure (RAP)	0AA0x0
	Label: NLS_NOM_PRESS_BLD_ATR_RIGHT Observed Value (from VueLink):	0x00024A34
	NOM_PRESS_BLD_ATR_RIGHT Compound Observed Value:	0x4A34
	NOM_PRESS_BLD_ATR_RIGHT_SYS	0x4A35
	NOM_PRESS_BLD_ATR_RIGHT_DIA NOM PRESS BLD ATR RIGHT MEAN	0x4A36 0x4A37
	Units:	ORIIIS /
	NOM_DIM_MMHG	0x0F20
Pulse	NOM_DIM_KILO_PASCAL Pulse derived from RAP	0x0F03
ruise	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_RAP	0x80035407
	Observed Value:	04007
	NOM_PULS_RATE Units:	0x480A
	NOM_DIM_BEAT_PER_MIN	0x0AA0
LAP	Left Atrial Pressure (LAP)	
	Label: NLS NOM PRESS BLD ATR LEFT	0x00024A30
	Observed Value (from VueLink):	0110 0 0 2 1115 0
	NOM_PRESS_BLD_ATR_LEFT	0x4A30
	Compound Observed Value: NOM PRESS BLD ATR LEFT SYS	0x4A31
	NOM_PRESS_BLD_ATR_LEFT_DIA	0x4A32
	NOM_PRESS_BLD_ATR_LEFT_MEAN	0x4A33
	Units: NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F20
Pulse	Pulse derived from LAP	
	Label:	000035400
	NLS_PRESS_NAMES_PULSE_FROM_LAP Observed Value:	0x80035408
	NOM_PULS_RATE	0x480A
	Units:	00770
ICP	NOM_DIM_BEAT_PER_MIN Intra-cranial Pressure (ICP)	0x0AA0
	Label:	
	NLS_NOM_PRESS_INTRA_CRAN	0x00025808
	Observed Value (from VueLink): NOM PRESS INTRA CRAN	0x5808
	Compound Observed Value:	
	NOM_PRESS_INTRA_CRAN_SYS	0x5809
	NOM_PRESS_INTRA_CRAN_DIA NOM PRESS INTRA CRAN MEAN	0x580A 0x580B
	Units:	
	NOM_DIM_MMHG	0x0F20
Pulse	NOM_DIM_KILO_PASCAL Pulse derived from ICP	0x0F03
14150	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_ICP	0x80035409
	Observed Value: NOM PULS RATE	0x480A
	Units:	OX400A
	NOM_DIM_BEAT_PER_MIN	0x0AA0
UAP	Umbilical Arterial Pressure (UAP) Label:	
	NLS_NOM_PRESS_BLD_ART_UMB	0x00024A28
	Observed Value (from VueLink):	
	NOM_PRESS_BLD_ART_UMB Compound Observed Value:	0x4A28
	NOM_PRESS_BLD_ART_UMB_SYS	0x4A29

	NOM_PRESS_BLD_ART_UMB_DIA	0x4A2A
	NOM PRESS BLD ART UMB MEAN	0x4A2B
	Units:	
	NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F03
D1		UXUFUS
Pulse	Pulse derived from UAP	
	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_UAP	0x8003540A
	Observed Value:	
	NOM PULS RATE	0x480A
	Units:	
	NOM DIM BEAT PER MIN	0x0AA0
		UXUAAU
UVP	Umbilical Venous Pressure (UVP)	
	Label:	
	NLS_NOM_PRESS_BLD_VEN_UMB	0x00024A48
	Observed Value (from VueLink):	
	NOM PRESS BLD VEN UMB	0x4A48
	Compound Observed Value:	
	NOM PRESS BLD VEN UMB SYS	0x4A49
	NOM_PRESS_BLD_VEN_UMB_DIA	0x4A4A
	NOM_PRESS_BLD_VEN_UMB_MEAN	0x4A4B
	Units:	
	NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F03
Pulse	Pulse derived from UVP	
Idibe	Label:	
		00002540D
	NLS_PRESS_NAMES_PULSE_FROM_UVP	0x8003540B
	Observed Value:	
	NOM_PULS_RATE	0x480A
	Units:	
	NOM DIM BEAT PER MIN	0x0AA0
FAP	Femoral Arterial Pressure (FAP)	
	Label:	
	Laber.	
	NIC NOW DRECC DID ADE REMODAL	000000000
	NLS_NOM_PRESS_BLD_ART_FEMORAL	0x0002F0BC
	Compound Observed Value:	0x0002F0BC
		0x0002F0BC 0xF0BD
	Compound Observed Value:	
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA	0xF0BD
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN	0xF0BD 0xF0BE
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units:	0xF0BD 0xF0BE 0xF0BF
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG	0xF0BD 0xF0BE 0xF0BF 0x0F20
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL	0xF0BD 0xF0BE 0xF0BF
Pulse	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP	0xF0BD 0xF0BE 0xF0BF 0x0F20
Pulse	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL	0xF0BD 0xF0BE 0xF0BF 0x0F20
Pulse	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP	0xF0BD 0xF0BE 0xF0BF 0x0F20
Pulse	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label:	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F23
Pulse	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value:	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F23
Pulse	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03
Pulse	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units:	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03
Pulse	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP)	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP)	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label:	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C1 0xF0C2
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units:	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units: NOM_DIM_MMHG	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3 0x0F20
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units:	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3
	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units: NOM_DIM_MMHG	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3 0x0F20
BAP	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3 0x0F20
BAP	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from BAP Label:	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3 0x0F20
BAP	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from BAP Label: NLS_PRESS_NAMES_PULSE_FROM_BAP	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3 0x0F20 0x0F20 0x0F03
BAP	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from BAP Label: NLS_PRESS_NAMES_PULSE_FROM_BAP Observed Value:	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3 0x0F20 0x0F20 0x0F23
BAP	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from BAP Label: NLS_PRESS_NAMES_PULSE_FROM_BAP Observed Value: NOM_PULS_RATE	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3 0x0F20 0x0F20 0x0F03
BAP	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from BAP Label: NLS_PRESS_NAMES_PULSE_FROM_BAP Observed Value: NOM_PULS_RATE Units:	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3 0x0F20 0x0F20 0x0F20 0x0F03
BAP	Compound Observed Value: NOM_PRESS_BLD_ART_FEMORAL_SYS NOM_PRESS_BLD_ART_FEMORAL_DIA NOM_PRESS_BLD_ART_FEMORAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from FAP Label: NLS_PRESS_NAMES_PULSE_FROM_FAP Observed Value: NOM_PULS_RATE Units: NOM_DIM_BEAT_PER_MIN Brachial Arterial Blood Pressure (BAP) Label: NLS_NOM_PRESS_BLD_ART_BRACHIAL Compound Observed Value: NOM_PRESS_BLD_ART_BRACHIAL_SYS NOM_PRESS_BLD_ART_BRACHIAL_DIA NOM_PRESS_BLD_ART_BRACHIAL_MEAN Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Pulse derived from BAP Label: NLS_PRESS_NAMES_PULSE_FROM_BAP Observed Value: NOM_PULS_RATE	0xF0BD 0xF0BE 0xF0BF 0x0F20 0x0F03 0x80035434 0x480A 0x0AA0 0x0002F0C0 0xF0C1 0xF0C2 0xF0C3 0x0F20 0x0F20 0x0F23

IC1	Intracranial Pressure 1 (IC1)	
101	Label:	
	NLS_NOM_PRESS_INTRA_CRAN_1	0x0002F0B4
	Compound Observed Value:	
	NOM_PRESS_INTRA_CRAN_1_DIA	0xF0B6
	NOM_PRESS_INTRA_CRAN_1_SYS	0xF0B5
	NOM_PRESS_INTRA_CRAN_1_MEAN	0xF0B7
	Units:	00800
	NOM_DIM_MMHG	0x0F20
Pulse	NOM_DIM_KILO_PASCAL Pulse derived from IC1	0x0F03
ruise	Label:	
	NLS PRESS NAMES PULSE FROM IC1	0x8003542E
	Observed Value:	
	NOM PULS RATE	0x480A
	Units:	
	NOM_DIM_BEAT_PER_MIN	0x0AA0
IC2	Intracranial Pressure 2 (IC2)	
	Label:	
	NLS_NOM_PRESS_INTRA_CRAN_2	0x0002F0B8
	Compound Observed Value:	
	NOM_PRESS_INTRA_CRAN_2_SYS	0xF0B9
	NOM_PRESS_INTRA_CRAN_2_DIA	0xF0BA
	NOM_PRESS_INTRA_CRAN_2_MEAN Units:	0xF0BB
	NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F03
Pulse	Pulse derived from IC2	01101 00
	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_IC2	0x80035431
	Observed Value:	
	NOM_PULS_RATE	0x480A
	Units:	
_	NOM_DIM_BEAT_PER_MIN	0x0AA0
P	unspecific pressure	
	Label:	0x00024A00
	NLS_NOM_PRESS_BLD Observed Value (from VueLink):	0X00024A00
	NOM PRESS BLD	0x4A00
	Compound Observed Value:	01111100
	NOM PRESS BLD SYS	0x4A01
	NOM_PRESS_BLD_DIA	0x4A02
	NOM_PRESS_BLD_MEAN	0x4A03
	Units:	
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
Pulse	Pulse derived from unspecific Pressure	
	Label:	0***00035401
	NLS_PRESS_NAMES_PULSE_FROM_P Observed Value:	0x80035401
	NOM PULS RATE	0x480A
	Units:	07110011
	NOM DIM BEAT PER MIN	0x0AA0
P1	Generic Pressure 1 (P1)	
	Label:	
	NLS_NOM_PRESS_GEN_1	0x0002F0A4
	Observed Value (from VueLink):	
	NOM_PRESS_GEN_1	0xF0A4
	Compound Observed Value:	
	NOM_PRESS_GEN_1_SYS	0xF0A5
	NOM_PRESS_GEN_1_DIA	0xF0A6
	NOM_PRESS_GEN_1_MEAN Units:	0xF0A7
	NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F03

Pulse	Pulse derived from P1	
raibe	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_P1	0x80035422
	Observed Value:	
	NOM_PULS_RATE Units:	0x480A
	NOM DIM BEAT PER MIN	0x0AA0
P2	Generic Pressure 2 (P2)	02101110
	Label:	
	NLS_NOM_PRESS_GEN_2	0x0002F0A8
	Observed Value (from VueLink):	0
	NOM_PRESS_GEN_2 Compound Observed Value:	0xF0A8
	NOM PRESS GEN 2 SYS	0xF0A9
	NOM_PRESS_GEN_2_DIA	0xF0AA
	NOM_PRESS_GEN_2_MEAN	0xF0AB
	Units:	00700
	NOM_DIM_MMHG NOM DIM KILO PASCAL	0x0F20 0x0F03
Pulse	Pulse derived from P2	070103
	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_P2	0x80035425
	Observed Value:	04007
	NOM_PULS_RATE Units:	0x480A
	NOM DIM BEAT PER MIN	0x0AA0
Р3	Generic Pressure 3 (P3)	
	Label:	
	NLS_NOM_PRESS_GEN_3	0x0002F0AC
	Observed Value (from VueLink): NOM PRESS GEN 3	0xF0AC
	Compound Observed Value:	oni olic
	NOM_PRESS_GEN_3_SYS	0xF0AD
	NOM_PRESS_GEN_3_DIA	0xF0AC
	NOM_PRESS_GEN_3_MEAN	0xF0AF
	Units: NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F03
Pulse	Pulse derived from P3	
	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_P3	0x80035428
	Observed Value: NOM PULS RATE	0x480A
	Units:	AUGFAU
	NOM_DIM_BEAT_PER_MIN	0x0AA0
P4	Generic Pressure 4 (P4)	
	Label:	000000000
	NLS_NOM_PRESS_GEN_4 Observed Value (from VueLink):	0x0002F0B0
	NOM PRESS GEN 4	0xF0B0
	Compound Observed Value:	
	NOM_PRESS_GEN_4_SYS	0xF0B1
	NOM_PRESS_GEN_4_DIA	0xF0B2
	NOM_PRESS_GEN_4_MEAN Units:	0xF0B3
	NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F03
Pulse	Pulse derived from P4	
	Label:	
	NLS_PRESS_NAMES_PULSE_FROM_P4 Observed Value:	0x8003542B
	NOM PULS RATE	0x480A
	Units:	3112 311
	NOM_DIM_BEAT_PER_MIN	0AA0x0
IUP	Intra-Uterine Pressure	

	Label:	
	NLS_NOM_PRESS_INTRA_UTERAL	0x0002F0D8
	Observed Value:	
	NOM_PRESS_BLD	0x4A00
PAWP	Pulmonary Artery Wedge Pressure	
	Label: NLS NOM PRESS BLD ART PULM WEDGE	0x00024A24
	Observed Value:	0X00024A24
	NOM_PRESS_BLD_ART_PULM_WEDGE	0x4A24
	Units:	
	NOM_DIM_MMHG	0x0F20
ann.	NOM_DIM_KILO_PASCAL	0x0F03
CPP	Cerebral Perfusion Pressure Label:	
	NLS NOM PRESS CEREB PERF	0x00025804
	Observed Value:	
	NOM_PRESS_CEREB_PERF	0x5804
	Units:	
	NOM_DIM_MMHG	0x0F20
PPV	NOM_DIM_KILO_PASCAL Pulse Pressure Variation	0x0F03
FFV	Label:	
	NLS NOM PULS PRESS VAR	0x0002F0E3
	Observed Value:	
	NOM_PULS_PRESS_VAR	0xF0E3
CCO	Continuous Cardiac Output	
	Label: NLS NOM OUTPUT CARD CTS	0x00024BDC
	Observed Value:	0200021220
	NOM_OUTPUT_CARD_CTS	0x4BDC
	Units:	
997	NOM_DIM_X_L_PER_MIN	0x0C00
CCI	Continuous Cardiac Output Index Label:	
	NLS_NOM_OUTPUT_CARD_INDEX_CTS	0x0002F047
	Observed Value:	
	NOM_OUTPUT_CARD_INDEX_CTS	0xF047
	Units:	0.000
sv	NOM_DIM_X_L_PER_MIN_PER_M_SQ Stroke Volume	0x0B20
5 V	Label:	
	NLS NOM VOL BLD STROKE	0x00024B84
	Observed Value:	
	NOM_VOL_BLD_STROKE	0x4B84
	Units:	00650
SI	NOM_DIM_MILLI_L Stroke Index	0x0652
DI	Label:	
	NLS_NOM_VOL_BLD_STROKE_INDEX	0x0002F048
	Observed Value:	
	NOM_VOL_BLD_STROKE_INDEX	0xF048
	Units: NOM DIM MILLI L PER M SQ	0x0592
SVV	Stroke Volume Variation	0.0592
	Label:	
	NLS_NOM_VOL_BLD_STROKE_VAR	0x0002F049
	Observed Value:	
	NOM_VOL_BLD_STROKE_VAR	0xF049
	Units: NOM DIM PERCENT	0x0220
dPmax	Index of Left Ventricular Contractility	0110220
	Label:	
	NLS_NOM_GRAD_PRESS_BLD_AORT_POS_MAX	0x00024C25
	Observed Value:	0 195-
	NOM_GRAD_PRESS_BLD_AORT_POS_MAX	0x4C25

C.O.	Cardiac Output	
	Label: NLS NOM OUTPUT CARD	0x00024B04
	Observed Value:	0.4504
	NOM_OUTPUT_CARD Units:	0x4B04
G T	NOM_DIM_X_L_PER_MIN	0x0C00
C.I.	Cardiac Index Label:	
	NLS_NOM_OUTPUT_CARD_INDEX	0x0002490C
	Observed Value: NOM_OUTPUT_CARD_INDEX	0x490C
	Units: NOM DIM X L PER MIN PER M SQ	0x0B20
ITBV	Intrathoracic Blood Volume	0.00020
	Label: NLS NOM VOL BLD INTRA THOR	0x0002F040
	Observed Value:	0200021040
	NOM_VOL_BLD_INTRA_THOR Units:	0xF040
	NOM_DIM_MILLI_L	0x0652
ITBVI	Intrathoracic Blood Volume Index Label:	
	NLS_NOM_VOL_BLD_INTRA_THOR_INDEX	0x0002F041
	Observed Value: NOM VOL BLD INTRA THOR INDEX	0xF041
	Units:	
EVLW	NOM_DIM_MILLI_L_PER_M_SQ Extravascular Lung Water	0x0592
	Label:	
	NLS_NOM_VOL_LUNG_WATER_EXTRA_VASC Observed Value:	0x0002F042
	NOM_VOL_LUNG_WATER_EXTRA_VASC	0xF042
	Units: NOM DIM MILLI L	0x0652
EVLWI	Extravascular Lung Water Index	
	Label: NLS_NOM_VOL_LUNG_WATER_EXTRA_VASC_INDEX	0x0002F043
	Observed Value:	0.45043
	NOM_VOL_LUNG_WATER_EXTRA_VASC_INDEX Units:	0xF043
GEDV	NOM_DIM_MILLI_L_PER_KG Global End Diastolic Volume	0x0C72
GEDV	Label:	
	NLS_NOM_VOL_GLOBAL_END_DIA Observed Value:	0x0002F044
	NOM_VOL_GLOBAL_END_DIA	0xF044
	Units: NOM DIM MILLI L	0x0652
GEDVI	Global End Diastolic Volume Index	
	Label: NLS NOM VOL GLOBAL END DIA INDEX	0x0002F045
	Observed Value:	
	NOM_VOL_GLOBAL_END_DIA_INDEX Units:	0xF045
GD T	NOM_DIM_MILLI_L_PER_M_SQ	0x0592
CFI	Cardiac Function Index Label:	
	NLS_NOM_CARD_FUNC_INDEX	0x0002F046
	Observed Value: NOM_CARD_FUNC_INDEX	0xF046
	Units:	0~0>00
PVPI	NOM_DIM_DIMLESS Pulmonary Vascular Permeability Index	0x0200
	Label:	

	NLS_NOM_PERM_VASC_PULM_INDEX	0x0002F106
	Observed Value:	0. 71.06
CDD	NOM_PERM_VASC_PULM_INDEX	0xF106
GEF	Global Ejection Fraction Label:	
	NLS_NOM_FRACT_EJECT	0x0002F105
	Observed Value:	0.00021103
	NOM FRACT EJECT	0xF105
SNR	Signal to Noise ratio	
	Label:	
	NLS NOM SNR	0x0002F101
	Observed Value:	
	NOM_SNR	0xF101
RLShnt	Right-to-Left Heart Shunt	
	Label:	
	NLS_NOM_SHUNT_RIGHT_LEFT	0x0002F14A
	Observed Value:	OE1 4 7
	NOM_SHUNT_RIGHT_LEFT Units:	0xF14A
	NOM DIM MILLI SECOND	
SaO2	Oxygen Saturation	
5402	Label:	
	NLS NOM SAT O2 ART	0x00024B34
	Observed Value:	
	NOM_SAT_O2_ART	0x4B34
Sv02	Mixed Venous Oxygen Saturation	
	Label:	
	NLS_NOM_SAT_O2_VEN	0x00024B3C
	Observed Value:	
	NOM_SAT_O2_VEN	0x4B3C
	Units:	
GO O	NOM_DIM_PERCENT	0x0220
Scv02	Central Venous Oxygen Saturation Label:	
	NLS NOM SAT O2 VEN CENT	0x0002F100
	Observed Value:	0.00021100
	NOM SAT O2 VEN CENT	0xF100
SO2	O2 Saturation	
	Label:	
	NLS_NOM_SAT_O2	0x00024B2C
	Observed Value:	
	NOM_SAT_O2	0x4B2C
	Units:	
goo 1	NOM_DIM_PERCENT	
SO2 1	Oxygen Saturation Left Side	
	Label: NLS NOM SAT O2 LEFT	0x0002F89D
	Observed Value:	0X0002F69D
	NOM SAT O2 ART	0x4B34
S02 r	Oxygen Saturation Right Side	
	Label:	
	NLS_NOM_SAT_O2_RIGHT	0x0002F89E
	Observed Value:	
	NOM_SAT_O2_ART	0x4B34
SO2 1	O2 Saturation 1 (generic)	
	Label:	
	NLS_NOM_SAT_O2_GEN_1	0x0002F962
	Observed Value:	0**E0C2
	NOM_SAT_O2_GEN_1 Units:	0xF962
	NOM DIM PERCENT	0x0220
SO2 2	O2 Saturation 2 (generic)	0110220
-	Label:	
	NLS_NOM_SAT_O2_GEN_2	0x0002F963
	Observed Value:	

	NOM_SAT_O2_GEN_2	0xF963
	Units: NOM_DIM_PERCENT	0x0220
SO2 3	O2 Saturation 3 (generic) Label:	
	NLS_NOM_SAT_O2_GEN_3	0x0002F964
	Observed Value: NOM_SAT_O2_GEN_3	0xF964
	Units: NOM DIM PERCENT	0x0220
SO2 4	O2 Saturation 4 (generic)	
	Label: NLS_NOM_SAT_O2_GEN_4	0x0002F965
	Observed Value:	
	NOM_SAT_O2_GEN_4 Units:	0xF965
rSO2-1	NOM_DIM_PERCENT Regional Oxygen Saturation of Channel 1	0x0220
1502-1	Label:	
	NLS_NOM_SAT_O2_REGIONAL_1 Observed Value:	0x0002F95C
	NOM_SAT_O2_REGIONAL_1	0xF95C
rSO2-2	Regional Oxygen Saturation of Channel 2 Label:	
	NLS_NOM_SAT_02_REGIONAL_2	0x0002F95D
	Observed Value: NOM_SAT_O2_REGIONAL_2	0xF95D
rSO2-3	Regional Oxygen Saturation of Channel 3 Label:	
	NLS_NOM_SAT_O2_REGIONAL_3	0x0002F95E
	Observed Value: NOM SAT O2 REGIONAL 3	0xF95E
rSO2-4	Regional Oxygen Saturation of Channel 4	
	Label: NLS NOM SAT O2 REGIONAL 4	0x0002F95F
	Observed Value:	0
rSO2_5	NOM_SAT_O2_REGIONAL_4 -	0xF95F
	Label: NLS NOM SAT O2 REGIONAL 5	0x0002FB95
	Observed Value:	0x0002FB93
rSO2 6	NOM_SAT_O2_REGIONAL_5	0xFB95
1502_0	Label:	
	NLS_NOM_SAT_O2_REGIONAL_6 Observed Value:	0x0002FB96
	NOM_SAT_02_REGIONAL_6	0xFB96
AUC_1	- Label:	
	NLS_NOM_SAT_O2_REGIONAL_AREA_UNDER_CURVE_1 Observed Value:	0x0002FBA5
	NOM_SAT_O2_REGIONAL_AREA_UNDER_CURVE_1	0xFBA5
AUC_2	- Label:	
	NLS_NOM_SAT_O2_REGIONAL_AREA_UNDER_CURVE_2	0x0002FBA6
	Observed Value: NOM SAT O2 REGIONAL AREA UNDER CURVE 2	0xFBA6
AUC_3		
	Label: NLS_NOM_SAT_O2_REGIONAL_AREA_UNDER_CURVE_3	0x0002FBA7
	Observed Value:	
AUC_4	NOM_SAT_O2_REGIONAL_AREA_UNDER_CURVE_3 -	0xFBA7
_	Label:	0**000000000000000000000000000000000000
	NLS_NOM_SAT_O2_REGIONAL_AREA_UNDER_CURVE_4	0x0002FBA8

AUC 5	Observed Value: NOM_SAT_O2_REGIONAL_AREA_UNDER_CURVE_4 -	0xFBA8
_	Label: NLS_NOM_SAT_O2_REGIONAL_AREA_UNDER_CURVE_5 Observed Value:	0x0002FBA9
AUC 6	NOM_SAT_O2_REGIONAL_AREA_UNDER_CURVE_5 -	0xFBA9
	Label: NLS_NOM_SAT_O2_REGIONAL_AREA_UNDER_CURVE_6 Observed Value: NOM SAT O2 REGIONAL AREA UNDER CURVE 6	0x0002FBAA 0xFBAA
s%PIF		ONI BIEI
	Label: NLS_NOM_SETT_FLOW_AWAY_INSP_MAX_REL Observed Value:	0x0402F9E4
	NOM_SETT_FLOW_AWAY_INSP_MAX_REL	0xF9E4
%SpMV	- Label:	
	NLS_NOM_VENT_VOL_MINUTE_AWAY_SPONT_REL Observed Value:	0x0002F9FB
	NOM_VENT_VOL_MINUTE_AWAY_SPONT_REL Units: UNDEFINED	0xfF9FB
SpMVal	-	
	Label: NLS_NOM_VOL_MINUTE_AWAY_SPONT_ALV Observed Value:	0x0002FB83
0 71-	NOM_VOL_MINUTE_AWAY_SPONT_ALV	0xFB83
%Leak	- Label: NLS_NOM_VENT_VOL_LEAK_REL	0x0002F9FC
	Observed Value: NOM VENT VOL LEAK REL	0xF9FC
LkPat		UAFJFC
	Label: NLS_NOM_VENT_FLOW_LEAK_ESTIMATED_PATIENT Observed Value:	0x0002FB7F
I lemot	NOM_VENT_FLOW_LEAK_ESTIMATED_PATIENT	0xFB7F
LkTot	Label:	
	NLS_NOM_VENT_FLOW_LEAK_ESTIMATED_TOTAL Observed Value:	0x0002FB80
	NOM_VENT_FLOW_LEAK_ESTIMATED_TOTAL Units:	0xFB80
s%PEF	UNDEFINED -	
	Label: NLS_NOM_SETT_FLOW_AWAY_EXP_MAX_REL Observed Value:	0x0402fF9FD
	NOM_SETT_FLOW_AWAY_EXP_MAX_REL	0xF9FD
Edimin	- Label: NLS_NOM_ELEC_POTL_DIAPHRAGM_MIN	0x0002FA02
	Observed Value:	
sDConc	NOM_ELEC_POTL_DIAPHRAGM_MIN -	0xFA02
	Label: NLS_NOM_SETT_CONC_DRUG	0x04026840
77 d d m	Observed Value: NOM_SETT_CONC_DRUG	0x6840
Edimax	- Label: NLS_NOM_ELEC_POTL_DIAPHRAGM_MAX	0x0002FA03

	Observed Value: NOM ELEC POTL DIAPHRAGM MAX	0xFA03
sDlvRt	-	03111103
	Label:	
	NLS_NOM_SETT_FLOW_DRUG_DELIV Observed Value:	0x0402686C
	NOM SETT FLOW DRUG DELIV	0x686C
WOBv		
	Label:	000008705
	NLS_NOM_VENT_WORK_BREATHING Observed Value:	0x0002FA05
	NOM_VENT_WORK_BREATHING	0xFA05
sWOBva	-	
	Label:	0x0402FBB8
	NLS_NOM_SETT_VENT_WORK_BREATHING_ASSIST Observed Value:	0X0402FBB6
	NOM_SETT_VENT_WORK_BREATHING_ASSIST	0xFBB8
sVBol	-	
	Label: NLS NOM SETT VOL FLUID BOLUS	0x040268A4
	Observed Value:	0X040200A4
	NOM_SETT_VOL_FLUID_BOLUS	0x68A4
WOBp	-	
	Label: NLS NOM AWAY WORK BREATHING	0x0002FA06
	Observed Value:	071000217100
	NOM_AWAY_WORK_BREATHING	0xFA06
sVtot	- Takal	
	Label: NLS NOM SETT VOL FLUID TBI	0x040268BC
	Observed Value:	
	NOM_SETT_VOL_FLUID_TBI	0x68BC
InfTim	- Label:	
	NLS NOM TIME PD REMAIN	0x000268DC
	Observed Value:	
	NOM_TIME_PD_REMAIN	0x68DC
sKV0	- Label:	
	NLS NOM SETT FLOW KVO	0x040268E0
	Observed Value:	
sDosRt	NOM_SETT_FLOW_KVO	0x68E0
SDOSKC	Label:	
	NLS_NOM_SETT_RATE_DOSE	0x040268E4
	Observed Value:	
sDrug	NOM_SETT_RATE_DOSE	0x68E4
DDIAG	Label:	
	NLS_NOM_SETT_DRUG_NAME_TYPE	0x0402d00A
	Observed Value:	0
sPuMod	NOM_SETT_DRUG_NAME_TYPE	0xd00A
	Label:	
	NLS_NOM_SETT_PUMP_MODE	0x0402D0B8
	Observed Value: NOM SETT PUMP MODE	0xD0B8
PuStat	-	0110000
	Label:	
	NLS_NOM_PUMP_STAT	0x0002D0BC
	Observed Value: NOM PUMP STAT	0xD0BC
Rrasst	· · · · · · · · · · · · · · · · · · ·	320
	Label:	
	NLS_NOM_VENT_RESP_RATE_ASSISTED	0x0002F9C0

sRRmax	Observed Value: NOM_VENT_RESP_RATE_ASSISTED	0xF9C0
Ditamail	Label: NLS_NOM_SETT_RESP_RATE_SPONT_MAX Observed Value:	0x0402F9C4
sPADel	NOM_SETT_RESP_RATE_SPONT_MAX	0xF9C4
	Label: NLS_NOM_SETT_PRESS_AWAY_ALARM_DELAY Observed Value:	0x0402F9C8
sRRbak	NOM_SETT_PRESS_AWAY_ALARM_DELAY -	0xF9C8
	Label: NLS_NOM_SETT_VENT_RESP_RATE_BACKUP Observed Value:	0x0402F9CC
sPIbak	NOM_SETT_VENT_RESP_RATE_BACKUP -	0xf9CC
	Label: NLS_NOM_SETT_PRESS_AWAY_INSP_BACKUP Observed Value:	0x0402F9D0
sTVbak	NOM_SETT_PRESS_AWAY_INSP_BACKUP -	0xF9D0
	Label: NLS_NOM_SETT_VOL_AWAY_TIDAL_BACKUP Observed Value:	0x0402F9D4
sTube	NOM_SETT_VOL_AWAY_TIDAL_BACKUP	0xF9D4
sime	Label: NLS_NOM_SETT_VENT_TUBE_TYPE	0x0402FB3D
	Observed Value: NOM_SETT_VENT_TUBE_TYPE	0xFB3D
sTubeC	- Label:	
	NLS_NOM_SETT_VENT_TUBE_COMPENSATION Observed Value:	0x0402F9D8
sTubeD	NOM_SETT_VENT_TUBE_COMPENSATION -	0xF9D8
	Label: NLS_NOM_SETT_VENT_TUBE_DIAMETER Observed Value:	0x0402F9DC
sTimax	NOM_SETT_VENT_TUBE_DIAMETER -	0xF9DC
	Label:	004000000
	NLS_NOM_SETT_VENT_TIME_PD_INSP_MAX Observed Value:	0x0402F9E0
sVSupp	NOM_SETT_VENT_TIME_PD_INSP_MAX -	0xF9E0
	Label: NLS_NOM_SETT_VENT_MODE_SUPPORT Observed Value:	0x0402F9E8
sFlCtr	NOM_SETT_VENT_MODE_SUPPORT	0xF9E8
SFICCI	Label: NLS_NOM_SETT_VENT_MODE_AUTOFLOW	0x0402f9EC
	Observed Value: NOM_SETT_VENT_MODE_AUTOFLOW	0xf9EC
r2	- Label:	
	NLS_NOM_AWAY_CORR_COEF_R_SQUARE Observed Value:	0x0002F9F9
E	NOM_AWAY_CORR_COEF_R_SQUARE -	0xF9F9
	Label: NLS_NOM_ELAS_LUNG	0x0002F9FA

Ptrach	Observed Value: NOM_ELAS_LUNG	0xF9FA
reruen	Label: NLS_NOM_PRESS_TRACHEA Observed Value:	0x0002F9FE
sHumid	NOM_PRESS_TRACHEA	0xF9FE
Silumia	Label: NLS NOM SETT VENT HUMIDIFIER TYPE	0x0402F9FF
	Observed Value:	0xF9FF
sdPin	NOM_SETT_VENT_HUMIDIFIER_TYPE	UXFJFF
	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_PRESS_AWAY_INSP_PV_DELTA Observed Value:	0x0402FA07
sdPEEP	NOM_SETT_VENT_PRESS_AWAY_PRESS_AWAY_INSP_PV_DELTA -	0xFA07
	Label: NLS NOM SETT VENT PRESS AWAY PEEP PV DELTA	0x0402FA08
	Observed Value: NOM SETT VENT PRESS AWAY PEEP PV DELTA	0xFA08
sTAmax	-	OWINO
	Label: NLS_NOM_SETT_VENT_TIME_PD_APNEA_MAX	0x0402FA09
	Observed Value: NOM_SETT_VENT_TIME_PD_APNEA_MAX	0xFA09
sBreaT	- Label:	
	NLS_NOM_SETT_TIME_PD_BREATH_TOTAL Observed Value:	0x0402FA12
andim.	NOM_SETT_TIME_PD_BREATH_TOTAL	0xFA12
sEdiTr	Label:	
	NLS_NOM_SETT_VENT_ELEC_POTL_DIAPHRAGM_TRIG Observed Value:	0x0402FA0A
sNAVA	NOM_SETT_VENT_ELEC_POTL_DIAPHRAGM_TRIG	0xFA0A
	Label: NLS NOM SETT VENT PRESS AWAY TO ELEC POTL DIAPHRAGM	0x0402FA0B
	Observed Value:	
%EdiTr	NOM_SETT_VENT_PRESS_AWAY_TO_ELEC_POTL_DIAPHRAGM -	0xFA0B
	Label: NLS NOM RATIO BREATH EDI TRIG	0x0002FA0C
	Observed Value:	0F3.0 <i>G</i>
%EdiCy	NOM_RATIO_BREATH_EDI_TRIG -	0xFA0C
	Label: NLS_NOM_RATIO_BREATH_EDI_CYCL_OFF	0x0002FA0D
	Observed Value: NOM RATIO BREATH EDI CYCL OFF	0xFA0D
TV/kg		
	NLS_NOM_VOL_AWAY_TIDAL_PER_KG_BODY_WEIGHT	0x0002FA10
	Observed Value: NOM_VOL_AWAY_TIDAL_PER_KG_BODY_WEIGHT	0xFA10
TVe/kg	- Label:	
	NLS_NOM_VOL_AWAY_TIDAL_EXP_PER_KG_BODY_WEIGHT Observed Value:	0x0002FB7B
Tlow	NOM_VOL_AWAY_TIDAL_EXP_PER_KG_BODY_WEIGHT	0xFB7B
Tlow	Label:	
	NLS_NOM_VENT_TIME_PD_EXP_APRV	0x0002F940

	Observed Value:	0
Phigh	NOM_VENT_TIME_PD_EXP_APRV	0xF940
1111911	Label:	
	NLS_NOM_VENT_PRESS_AWAY_INSP_APRV	0x0002F92E
	Observed Value:	
D.1	NOM_VENT_PRESS_AWAY_INSP_APRV	0xF92E
Plow	- Label:	
	NLS NOM VENT PRESS AWAY EXP APRV	0x0002F92D
	Observed Value:	
	NOM_VENT_PRESS_AWAY_EXP_APRV	0xF92D
sHFFrq	-	
	Label:	0040007307
	NLS_NOM_SETT_VENT_FREQ_HFV Observed Value:	0x0402FA2E
	NOM SETT VENT FREQ HFV	0xFA2E
sHFMAP	~	
	Label:	
	NLS_NOM_SETT_PRESS_AWAY_MEAN_HFV	0x0402FA33
	Observed Value: NOM SETT PRESS AWAY MEAN HFV	0xFA33
sHFVTV	NON_SETT_FRESS_AWAT_MEAN_REV	UXFA33
	Label:	
	NLS_NOM_SETT_VENT_VOL_TIDAL_HFV	0x0402F8BF
	Observed Value:	
D	NOM_SETT_VENT_VOL_TIDAL_HFV	0xF8BF
Pxmean	Label:	
	NLS NOM PRESS AWAY AUX MEAN	0x0002FA27
	Observed Value:	
	NOM_PRESS_AWAY_AUX_MEAN	0xFA27
Pxmin		
	Label:	0000000000000000000000000000000000000
	NLS_NOM_PRESS_AWAY_AUX_MIN Observed Value:	0x0002FA26
	NOM PRESS AWAY AUX MIN	0xFA26
Pxpeak		
	Label:	
	NLS_NOM_PRESS_AWAY_AUX_MAX	0x0002FA25
	Observed Value:	08705
FRC	NOM_PRESS_AWAY_AUX_MAX	0xFA25
110	Label:	
	NLS_NOM_CAPAC_RESID	0x0002FA28
	Observed Value:	
******	NOM_CAPAC_RESID	0xFA28
VCO2m²	Label:	
	NLS NOM FLOW CO2 PROD RESP PER AREA BODY SURFACE	0x0002FA2D
	Observed Value:	0110 0 0 2 1 1 1 2 2
	NOM_FLOW_CO2_PROD_RESP_PER_AREA_BODY_SURFACE	0xFA2D
VCO2kg		
	Label:	000005700
	NLS_NOM_FLOW_CO2_PROD_RESP_PER_KG_BODY_WEIGHT Observed Value:	0x0002FA2C
	NOM FLOW CO2 PROD RESP PER KG BODY WEIGHT	0xFA2C
VO2m²		
	Label:	
	NLS_NOM_SAT_02_CONSUMP_PER_AREA_BODY_SURFACE	0x0002FA2B
	Observed Value:	057.05
V02kq	NOM_SAT_O2_CONSUMP_PER_AREA_BODY_SURFACE	0xFA2B
102119	Label:	
	NLS_NOM_SAT_O2_CONSUMP_PER_KG_BODY_WEIGHT	0x0002FA2A

	Observed Value: NOM_SAT_O2_CONSUMP_PER_KG_BODY_WEIGHT	0xFA2A
sPi-e	- Tabal	
	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_EXP_DIFF Observed Value:	0x0402FA29
CRT	NOM_SETT_VENT_PRESS_AWAY_INSP_EXP_DIFF	0xFA29
OTT	Label:	
	NLS_NOM_TIME_PD_CAP_REFILL Compund Observed Value:	0x0002FAA4
	NOM_TIME_PD_CAP_REFILL	0xFAA4
	NOM_AWAY_CO2_ET_MIXED	0xFB86
	Units: NOM DIM SEC	0x0880
NI		
	Label: NLS NOM EEG NARCOTREND INDEX	0x0002FAF4
	Observed Value:	0X00021A14
CET	NOM_EEG_NARCOTREND_INDEX	0xFAF4
STI	- Label:	
	NLS_NOM_EEG_SHARP_TRANSIENT_INTENS Observed Value:	0x0002FAF5
	NOM_EEG_SHARP_TRANSIENT_INTENS	0xFAF5
Tmatt	- Label:	
	NLS_NOM_TEMP_MATTRESS	0x0002FAD4
	Observed Value: NOM TEMP MATTRESS	0xFAD4
sPower	-	0211121
	Label:	004025006
	NLS_NOM_SETT_HEATING_PWR_INCUBATOR Observed Value:	0x0402F886
	NOM_SETT_HEATING_PWR_INCUBATOR	0xF886
sTmatt	- Label:	
	NLS_NOM_SETT_TEMP_MATTRESS	0x0402FAD4
	Observed Value:	0
sTair	NOM_SETT_TEMP_MATTRESS -	0xFAD4
	Label:	
	NLS_NOM_SETT_TEMP_AIR_INCUB Observed Value:	0x0402F12A
	NOM_SETT_TEMP_AIR_INCUB	0xF12A
sTskin		
	Label: NLS NOM SETT TEMP SKIN	0x04024B74
	Observed Value:	
II o o t Do	NOM_SETT_TEMP_SKIN	0x4B74
HeatPa	Label:	
	NLS_NOM_HEATING_PWR_TCUT_SENSOR_ABS	0x0002FAF0
	Observed Value: NOM_HEATING_PWR_TCUT_SENSOR_ABS	0xFAF0
HeatPr	-	
	Label: NLS NOM HEATING PWR TCUT SENSOR REL	0x0002FAF1
	Observed Value:	UXUUUZFAFI
	NOM_HEATING_PWR_TCUT_SENSOR_REL	0xFAF1
PVI	- Label:	
	NLS_NOM_PULS_OXIM_PLETH_AMPL_VAR_INDEX	0x0002FB60
	Observed Value:	0
	NOM_PULS_OXIM_PLETH_AMPL_VAR_INDEX	0xFB60

SpMet	Units: NOM_DIM_PERCENT	0x0220
spriec	Label: NLS_NOM_PULS_OXIM_HB_MET_ART	0x0002FB61
	Observed Value: NOM_PULS_OXIM_HB_MET_ART	0xFB61
C77CO	Units: NOM_DIM_PERCENT	0x0220
SpCO	Label: NLS NOM PULS OXIM HB CO ART	0x0002FB62
	Observed Value: NOM PULS OXIM HB CO ART	0xFB62
	Units: NOM DIM PERCENT	0x0220
OffsHb		
	Label: NLS_NOM_PULS_OXIM_HB_CORR_VAL	0x0002FB68
	Observed Value: NOM_PULS_OXIM_HB_CORR_VAL	0xFB68
	Units: NOM DIM X G PER DL	0x0840
	NOM_DIM_MILLI_MOLE_PER_L	0x1272
SpHb		
	Label: NLS_NOM_PULS_OXIM_HB_TOTAL	0x0002FBCF
	Observed Value:	
	NOM_PULS_OXIM_HB_TOTAL Units:	0xFBCF
	NOM_DIM_X_G_PER_DL	0x0840
SpHb	NOM_DIM_MILLI_MOLE_PER_L	0x1272
Брни	Label:	
	NLS_NOM_PULS_OXIM_HB_TOTAL_ART Observed Value:	0x0002FB63
	NOM_PULS_OXIM_HB_TOTAL_ART Units:	0xFB63
	NOM_DIM_X_G_PER_DL	0x0840
a 173	NOM_DIM_MILLI_MOLE_PER_L	0x1272
SpHbv	- Label:	
	NLS_NOM_PULS_OXIM_HB_TOTAL_VEN	0x0002FB64
	Observed Value: NOM_PULS_OXIM_HB_TOTAL_VEN	0xFB64
	Units:	0211 20 1
	NOM_DIM_X_G_PER_DL	0x0840
cSpHb	NOM_DIM_MILLI_MOLE_PER_L -	0x1272
<u>r</u>	Label:	
	NLS_NOM_PULS_OXIM_HB_TOTAL_CORR Observed Value:	0x0002FBD0
	NOM_PULS_OXIM_HB_TOTAL_CORR Units:	0xFBD0
	NOM_DIM_X_G_PER_DL	0x0840
a Cro IIlo	NOM_DIM_MILLI_MOLE_PER_L	0x1272
cSpHb	- Label:	
	NLS_NOM_PULS_OXIM_HB_TOTAL_ART_CORR	0x0002FB65
	Observed Value: NOM PULS OXIM HB TOTAL ART CORR	0xFB65
	Units:	
	NOM_DIM_X_G_PER_DL	0x0840
	NOM_DIM_MILLI_MOLE_PER_L	0x1272

cSpHbv	-	
	Label:	
	NLS_NOM_PULS_OXIM_HB_TOTAL_VEN_CORR Observed Value:	0x0002FB66
	NOM PULS OXIM HB TOTAL VEN CORR	0xFB66
	Units:	
	NOM_DIM_X_G_PER_DL	0x0840
SpOC	NOM_DIM_MILLI_MOLE_PER_L	0x1272
Брос	Label:	
	NLS_NOM_PULS_OXIM_CONC_HB_O2_ART_CALC	0x0002FB67
	Observed Value:	
	NOM_PULS_OXIM_CONC_HB_O2_ART_CALC Units:	0xFB67
	NOM_DIM_MILLI_L_PER_DL	0x1912
TWrdAd	-	
	Label:	
	NLS_NOM_PAT_TIME_PD_SINCE_LAST_WARD_ADMIS Observed Value:	0x0002FBC5
	NOM PAT TIME PD SINCE LAST WARD ADMIS	0xFBC5
	Units:	
	NOM_DIM_HR	0x08C0
	NOM_DIM_DAY NOM_DIM_HR	0x08E0 0x0900
WardAd	-	0110300
	Label:	
	NLS_NOM_PAT_TIME_WARD_ADMIS	0x0002FBC6
	Observed Value: NOM PAT TIME WARD ADMIS	0xFBC6
	Units:	ONI Dec
	NOM_DIM_HR	0x08C0
	NOM_DIM_DAY	0x08E0
BMI	NOM_DIM_HR -	0x0900
	Label:	
	NLS_NOM_RATIO_MASS_BODY_LEN_SQ	0x0002E150
	Observed Value:	0F1 F 0
	NOM_RATIO_MASS_BODY_LEN_SQ Units:	0xE150
	NOM_DIM_KG_PER_M_SQ	0x07A3
sCComp	Gambro Prismaflex	
	Label:	0x0402FAA3
	NLS_NOM_SETT_CALCIUM_COMP Observed Value:	0X0402FAA3
	NOM_SETT_CALCIUM_COMP	0xFAA3
sCitLo	Gambro Prismaflex	
	Label: NLS NOM SETT CITRATE LOAD	0x0402FAA0
	Observed Value:	0X0402FAA0
	NOM_SETT_CITRATE_LOAD	0xFAA0
sCConc	Gambro Prismaflex	
	Label: NLS_NOM_SETT_CONC_CALCIUM_SOLUTION	0x0402FAA2
	Observed Value:	0X040217AA2
	NOM_SETT_CONC_CALCIUM_SOLUTION	0xFAA2
sCSCAC	Gambro Prismaflex	
	Label: NLS NOM SETT CONC CITRATE ACID SOLUTION	0x0402FA9F
	Observed Value:	JAUTUZERJE
	NOM_SETT_CONC_CITRATE_ACID_SOLUTION	0xFA9F
sCitDo	Gambro Prismaflex	
	Label: NLS NOM SETT CONC CITRATE BLD	0x0402FA9D
	Observed Value:	10211100
	NOM_SETT_CONC_CITRATE_BLD	0xFA9D

sCitCo	Gambro Prismaflex	
	Label: NLS_NOM_SETT_CONC_CITRATE_SOLUTION	0x0402FA9E
	Observed Value: NOM SETT CONC CITRATE SOLUTION	0xFA9E
cHCTo	Gambro Prismaflex	UAFAJE
	Label: NLS NOM CONC HCT POST DIALYS	0x0002FBD2
	Observed Value:	0
scHCTi	NOM_CONC_HCT_POST_DIALYS Gambro Prismaflex	0xFBD2
	Label: NLS NOM SETT CONC HCT PRE DIALYS	0x0402FBD1
	Observed Value:	0X0402FBD1
nFilt	NOM_SETT_CONC_HCT_PRE_DIALYS Gambro Prismaflex	0xFBD1
111 110	Label:	
	NLS_NOM_FILTER_SETS_USED_CUMULATED_DIALYS Observed Value:	0x0002FBEA
227	NOM_FILTER_SETS_USED_CUMULATED_DIALYS	0xFBEA
sBFl	Gambro Prismaflex Label:	
	NLS_NOM_SETT_FLOW_BLD_DIALYSIS Observed Value:	0x0402FA8C
	NOM_SETT_FLOW_BLD_DIALYSIS	0xFA8C
sCSR	Gambro Prismaflex Label:	
	NLS_NOM_SETT_FLOW_CALCIUM_PUMP	0x0402FAA1
	Observed Value: NOM SETT FLOW CALCIUM PUMP	0xFAA1
sDialF	Gambro Prismaflex	
	Label: NLS_NOM_SETT_FLOW_DIALYSIS_DIALYSATE	0x0402FA8F
	Observed Value: NOM SETT FLOW DIALYSIS DIALYSATE	0xFA8F
sEfflF	Gambro Prismaflex	TOATAU
	Label: NLS NOM SETT FLOW DIALYSIS EFFLUENT	0x0402FA91
	Observed Value:	
sPBPFl	NOM_SETT_FLOW_DIALYSIS_EFFLUENT Gambro Prismaflex	0xFA91
	Label:	
	NLS_NOM_SETT_FLOW_DIALYSIS_PRE_BLD Observed Value:	0x0402FA90
anno El	NOM_SETT_FLOW_DIALYSIS_PRE_BLD Gambro Prismaflex	0xFA90
sRPoFl	Label:	
	NLS_NOM_SETT_FLOW_DIALYSIS_REPLACEMENT_POST Observed Value:	0x0402FA8E
	NOM_SETT_FLOW_DIALYSIS_REPLACEMENT_POST	0xFA8E
sRPrFl	Gambro Prismaflex Label:	
	NLS_NOM_SETT_FLOW_DIALYSIS_REPLACEMENT_PRE	0x0402FA8D
	Observed Value: NOM_SETT_FLOW_DIALYSIS_REPLACEMENT_PRE	0xFA8D
sWTbal	Gambro Prismaflex Label:	
	NLS_NOM_SETT_FLOW_DIFF_FLUID_BAL_PD_TOT	0x0402FA9B
	Observed Value: NOM SETT FLOW DIFF FLUID BAL PD TOT	0xFA9B
sHepRt	Gambro Prismaflex	
	Label: NLS NOM SETT FLOW HEPARIN PUMP	0x0402FA9C
	Observed Value:	
	NOM_SETT_FLOW_HEPARIN_PUMP	0xFA9C

sUFR	Gambro Prismaflex	
	Label: NLS_NOM_SETT_RATIO_FLOW_EFFLUENT_BLD_DIALYSIS	0x0402FA94
sFufrP	Observed Value: NOM_SETT_RATIO_FLOW_EFFLUENT_BLD_DIALYSIS Gambro Prismaflex	0xFA94
	Label: NLS_NOM_SETT_RATIO_FLOW_FILT_FRACT_UFR_PLASMA_DIALYS	0x0402FBD4
17 - 6 6 M	Observed Value: NOM_SETT_RATIO_FLOW_FILT_FRACT_UFR_PLASMA_DIALYS Gambro Prismaflex	0xFBD4
VeffNh	Label:	
	NLS_NOM_RATIO_VOL_EFFLUENT_PER_HR_DIALYS Observed Value:	0x0002FBE5
EffDn	NOM_RATIO_VOL_EFFLUENT_PER_HR_DIALYS Gambro Prismaflex	0xFBE5
	Label: NLS_NOM_RATIO_VOL_EFFLUENT_TOT_DIALYS	0x0002FBD3
	Observed Value: NOM RATIO VOL EFFLUENT TOT DIALYS	0xFBD3
VdpoNh	Gambro Prismaflex Label:	
	NLS_NOM_RATIO_VOL_REPL_POST_DELIV_PER_HR_DIALYS Observed Value:	0x0002FBE3
VrePN	NOM_RATIO_VOL_REPL_POST_DELIV_PER_HR_DIALYS Gambro Prismaflex	0xFBE3
VICIN	Label: NLS NOM RATIO VOL REPL WITH PBP CUMULATED DIALYS	0x0002FBDE
	Observed Value:	
VrePNh	NOM_RATIO_VOL_REPL_WITH_PBP_CUMULATED_DIALYS Gambro Prismaflex	0xFBDE
	Label: NLS_NOM_RATIO_VOL_REPL_WITH_PBP_CUMULATED_PER_HR_DIALYS Observed Value:	0x0002FBDD
77	NOM_RATIO_VOL_REPL_WITH_PBP_CUMULATED_PER_HR_DIALYS	0xFBDD
VdprNh	Gambro Prismaflex Label:	
	NLS_NOM_RATIO_VOL_REPL_WITH_PBP_PRE_DELIV_PER_HR_DIALYS Observed Value:	0x0002FBE1
VufrN	NOM_RATIO_VOL_REPL_WITH_PBP_PRE_DELIV_PER_HR_DIALYS Gambro Prismaflex	0xFBE1
	Label: NLS_NOM_RATIO_VOL_UFR_CUMULATED_PER_HR_DIALYS	0x0002FBDA
	Observed Value: NOM RATIO VOL UFR CUMULATED PER HR DIALYS	0xFBDA
VufrNh	Gambro Prismaflex Label:	ONI BBIT
	NLS_NOM_RATIO_VOL_UFR_PER_HR_DIALYS Observed Value:	0x0002FBD9
D - 3 T	NOM_RATIO_VOL_UFR_PER_HR_DIALYS	0xFBD9
sBolIn	Gambro Prismaflex Label:	
	NLS_NOM_SETT_TIME_PD_BOLUS_DELIV Observed Value:	0x0402FA93
FiltTi	NOM_SETT_TIME_PD_BOLUS_DELIV Gambro Prismaflex	0xFA93
	Label: NLS_NOM_TIME_PD_FILTER_USE_DIALYS	0x0002FBD5
	Observed Value: NOM TIME PD FILTER USE DIALYS	0xFBD5
Vdly/h	Gambro Prismaflex Label:	
	NLS_NOM_VOL_DIALYSATE_PER_HR_DIALYS Observed Value:	0x0002FBE7
	NOM_VOL_DIALYSATE_PER_HR_DIALYS	0xFBE7

Veff/h	Gambro Prismaflex	
	Label: NLS_NOM_VOL_EFFLUENT_PER_HR_DIALYS	0x0002FBE4
sEPFL	Observed Value: NOM_VOL_EFFLUENT_PER_HR_DIALYS Gambro Prismaflex	0xFBE4
SEFFL	Label:	00400 F7 06
	<pre>NLS_NOM_SETT_VOL_FLUID_BALANCE_PATIENT_LIMIT_DIALYSIS Observed Value:</pre>	0x0402FA96
sMaxG	NOM_SETT_VOL_FLUID_BALANCE_PATIENT_LIMIT_DIALYSIS Gambro Prismaflex	0xFA96
	Label: NLS NOM SETT VOL MAX GAIN	0x0402FA95
	Observed Value: NOM SETT VOL MAX GAIN	0xFA95
Vrem/h	Gambro Prismaflex	0711193
	Label: NLS_NOM_VOL_PAT_FLUID_REMOVAL_PER_HR_DIALYS	0x0002FBD6
	Observed Value: NOM VOL PAT FLUID REMOVAL PER HR DIALYS	0xFBD6
VPBP/h	Gambro Prismaflex Label:	OAPDO
	NLS_NOM_VOL_PBP_PER_HR_DIALYS Observed Value:	0x0002FBE6
/-	NOM_VOL_PBP_PER_HR_DIALYS	0xFBE6
Vrep/h	Gambro Prismaflex Label:	
	NLS_NOM_VOL_REPL_PER_HR_DIALYS Observed Value:	0x0002FBE8
	NOM_VOL_REPL_PER_HR_DIALYS	0xFBE8
Vdpo/h	Gambro Prismaflex Label:	
	NLS_NOM_VOL_REPL_POST_DELIV_PER_HR_DIALYS	0x0002FBE2
	Observed Value: NOM_VOL_REPL_POST_DELIV_PER_HR_DIALYS	0xFBE2
VreP	Gambro Prismaflex	
	Label: NLS_NOM_VOL_REPL_WITH_PBP_CUMULATED_DIALYS	0x0002FBDC
	Observed Value: NOM VOL REPL WITH PBP CUMULATED DIALYS	0xFBDC
VreP/h	Gambro Prismaflex	OXFBDC
	Label: NLS NOM VOL REPL WITH PBP PER HR DIALYS	0x0002FBDB
	Observed Value:	
Vdpr	NOM_VOL_REPL_WITH_PBP_PER_HR_DIALYS Gambro Prismaflex	0xFBDB
_	Label:	00000EDE0
	<pre>NLS_NOM_VOL_REPL_WITH_PBP_PRE_DELIV_CUMULATED_DIALYS Observed Value:</pre>	0x0002FBE0
Vdpr/h	NOM_VOL_REPL_WITH_PBP_PRE_DELIV_CUMULATED_DIALYS Gambro Prismaflex	0xFBE0
vapi, ii	Label:	
	NLS_NOM_VOL_REPL_WITH_PBP_PRE_DELIV_PER_HR_DIALYS Observed Value:	0x0002FBDF
Vsvr/h	NOM_VOL_REPL_WITH_PBP_PRE_DELIV_PER_HR_DIALYS Gambro Prismaflex	0xFBDF
VSYI/II	Label: NLS NOM VOL SYRINGE PER HR DIALYS	0x0002FBE9
	Observed Value:	0100021213
Vufr	NOM_VOL_SYRINGE_PER_HR_DIALYS Gambro Prismaflex	0xFBE9
	Label:	
	NLS_NOM_VOL_UFR_CUMULATED_DIALYS Observed Value:	0x0002FBD8
	NOM_VOL_UFR_CUMULATED_DIALYS	0xFBD8

Vufr/h	Gambro Prismaflex	
	Label: NLS_NOM_VOL_UFR_PER_HR_DIALYS	0x0002FBD7
	Observed Value: NOM_VOL_UFR_PER_HR_DIALYS	0xFBD7
cNBP	- Label:	
	NLS_NOM_PRESS_BLD_NONINV_CTS	0x0002FB90
	Compound Observed Value: NOM_PRESS_BLD_NONINV_CTS_SYS	0xFB91
	NOM_PRESS_BLD_NONINV_CTS_DIA NOM PRESS BLD NONINV CTS MEAN	0xFB92 0xFB93
NBP_T	NON_FRESS_BUD_NONINV_CIS_MEAN	UXFB93
	Label: NLS NOM PRESS BLD NONINV TELE	0x0002F0A0
	Compound Observed Value:	UNUUUZIUAU
	NOM_PRESS_BLD_NONINV_TELE_SYS NOM PRESS BLD NONINV TELE DIA	0xF0A1 0xF0A2
	NOM_FRESS_BLD_NONINV_TELE_MEAN	0xF0A3
AccAir	- Label:	
	NLS_NOM_AIR_COMSUMP_TOT	0x0002FA60
	Observed Value: NOM AIR COMSUMP TOT	0xFA60
iCFI	-	0211100
	Label: NLS NOM CARD FUNC INDEX NONCTS	0x0002FB0F
	Observed Value:	
Chos	NOM_CARD_FUNC_INDEX_NONCTS	0xFB0F
	Label:	
	NLS_NOM_COMPL_BREATHING_HOSES Observed Value:	0x0002FB33
	NOM_COMPL_BREATHING_HOSES	0xFB33
AccDes	- Label:	
	NLS_NOM_DESFL_COMSUMP_TOT	0x0002FA44
	Observed Value: NOM DESFL COMSUMP TOT	0xFA44
sdBISl		
	Label: NLS_NOM_EEG_BIS_STDDEV_LEFT	0x0002FACB
	Observed Value:	0xFACB
sdBISr	NOM_EEG_BIS_STDDEV_LEFT -	UXFACB
	Label:	0x0002FACC
	NLS_NOM_EEG_BIS_STDDEV_RIGHT Observed Value:	UXUUUZFACC
sdEMGl	NOM_EEG_BIS_STDDEV_RIGHT	0xFACC
SULFIGI	Label:	
	NLS_NOM_EEG_EMG_STDDEV_LEFT Observed Value:	0x0002FACE
	NOM_EEG_EMG_STDDEV_LEFT	0xFACE
sdEMGr	- Label:	
	NLS_NOM_EEG_EMG_STDDEV_RIGHT	0x0002FACF
	Observed Value: NOM EEG EMG STDDEV RIGHT	0xFACF
AccENF	-	
	Label: NLS NOM ENFL COMSUMP TOT	0x0002FA4C
	Observed Value:	
	NOM_ENFL_COMSUMP_TOT	0xFA4C

REF Label: NLS_NOM_FRACT_EJECT_NONCTS 0x0002FB0E Observed Value: NOM FRACT EJECT NONCTS 0xFB0E AccHAL Label: NLS NOM HALTH COMSUMP TOT 0x0002FA54 Observed Value: NOM HALTH COMSUMP TOT 0xFA54 AccISO Label: NLS_NOM_ISOFL_COMSUMP_TOT 0x0002FA48 Observed Value: NOM ISOFL COMSUMP TOT 0xFA48 AccN20 Label: NLS NOM N2O COMSUMP TOT 0x0002FA5C Observed Value: NOM N2O COMSUMP TOT 0xFA5C Acc02 Label: NLS NOM O2_COMSUMP_TOT 0x0002FA58 Observed Value: NOM_O2_COMSUMP_TOT 0xFA58 IBW Label: NLS NOM PAT WEIGHT IDEAL 0x0002FAD9 Observed Value: NOM_PAT_WEIGHT_IDEAL 0xFAD9 iPVPI Label: NLS NOM PERM VASC PULM INDEX NONCTS 0x0002FB0D Observed Value: NOM_PERM_VASC_PULM_INDEX NONCTS OxFBOD iARTm Label: NLS NOM PRESS BLD ART MEAN NONCTS 0x0002FB19 Observed Value: NOM PRESS BLD ART MEAN NONCTS 0xFB19 iCVP NLS NOM PRESS BLD VEN CENT NONCTS 0x0002FB18 Observed Value: NOM PRESS BLD VEN CENT NONCTS 0xFB18 AccP Label: NLS NOM PRESS DIALYSIS ACCESS 0x0002FA7D Observed Value: NOM PRESS DIALYSIS ACCESS 0xFA7D EfflP Label: NLS NOM PRESS DIALYSIS EFFLUENT 0x0002FA7F Observed Value: NOM_PRESS_DIALYSIS_EFFLUENT 0xFA7F FiltP Label: NLS_NOM_PRESS_DIALYSIS_FILTER 0x0002FA7E Observed Value: NOM PRESS DIALYSIS FILTER 0xFA7E RetP Label: NLS NOM PRESS DIALYSIS RETURN 0x0002FA80 Observed Value: NOM PRESS DIALYSIS RETURN 0xFA80

TMP	-	
	Label:	
	NLS_NOM_PRESS_DIFF_HYDRAULIC_BLD_DIALYZER	0x0002FA81
	Observed Value: NOM PRESS DIFF HYDRAULIC BLD DIALYZER	0xFA81
DP		
	Label:	0000000000000000000000000000000000000
	NLS_NOM_PRESS_DIFF_IN_OUT_DIALYZER Observed Value:	0x0002FA82
	NOM_PRESS_DIFF_IN_OUT_DIALYZER	0xFA82
iAvgPR	-	
	Label: NLS NOM PULS RATE NONCTS	0x0002FB10
	Observed Value:	
D T D 1	NOM_PULS_RATE_NONCTS	0xFB10
sBIE1:	- Label:	
	NLS_NOM_SETT_RATIO_IE_BACKUP	0x0402FB9E
	Observed Value:	0
sE	NOM_SETT_RATIO_IE_BACKUP -	0xFB9E
	Label:	
	NLS_NOM_SETT_RATIO_IE_E	0x0402FB7D
	Observed Value: NOM SETT RATIO IE E	0xFB7D
sI		
	Label:	00400ED7G
	NLS_NOM_SETT_RATIO_IE_I Observed Value:	0x0402FB7C
	NOM_SETT_RATIO_IE_I	0xFB7C
iSVRI	- Tabal	
	Label: NLS NOM RES VASC SYS INDEX NONCTS	0x0002FB06
	Observed Value:	
iSVRI	NOM_RES_VASC_SYS_INDEX_NONCTS	0xFB06
15/1/1	Label:	
	NLS_NOM_RES_VASC_SYS_NONCTS	0x0002FB05
	Observed Value: NOM RES VASC SYS NONCTS	0xFB05
iVO2e	-	OXI DOS
	Label:	
	NLS_NOM_SAT_O2_CONSUMP_ESTIMATED_NONCTS Observed Value:	0x0002FB16
	NOM_SAT_O2_CONSUMP_ESTIMATED_NONCTS	0xFB16
iVO2Ie	-	
	Label: NLS_NOM_SAT_O2_CONSUMP_INDEX_ESTIMATED_NONCTS	0x0002FB17
	Observed Value:	0110002121
1.770.0.7	NOM_SAT_O2_CONSUMP_INDEX_ESTIMATED_NONCTS	0xFB17
iVO2I	- Label:	
	NLS_NOM_SAT_O2_CONSUMP_INDEX_NONCTS	0x0002FB15
	Observed Value:	0 7745
iVO2	NOM_SAT_02_CONSUMP_INDEX_NONCTS -	0xFB15
	Label:	
	NLS_NOM_SAT_O2_CONSUMP_NONCTS	0x0002FB14
	Observed Value: NOM SAT O2 CONSUMP NONCTS	0xFB14
iDO2I		
	Label:	0*00000013
	NLS_NOM_SAT_O2_DELIVER_INDEX_NONCTS Observed Value:	0x0002FB13
	NOM_SAT_O2_DELIVER_INDEX_NONCTS	0xFB13

iDO2I Label: NLS_NOM_SAT_O2_DELIVER_NONCTS 0x0002FB12 Observed Value: NOM SAT 02 DELIVER NONCTS 0xFB12 AccSEV Label: NLS NOM SEVOFL_COMSUMP_TOT 0x0002FA50 Observed Value: NOM SEVOFL COMSUMP TOT 0xFA50 iAvqBT Label: NLS_NOM_TEMP_ART_NONCTS 0x0002FB11 Observed Value: NOM TEMP ART NONCTS 0xFB11 sInTiB Label: NLS NOM SETT TIME PD INSP BACKUP 0x0402FBA1 Observed Value: NOM SETT TIME PD INSP BACKUP 0xFBA1 InTtvTi Label: NLS NOM TIME PD NEXT INTERVENTION DIALYSIS 0x0002FA83 Observed Value: NOM_TIME_PD_NEXT_INTERVENTION_DIALYSIS 0xFA83 RunTi Label: NLS NOM TIME PD TREATMENT DIALYSIS 0x0002FA8A Observed Value: NOM_TIME_PD_TREATMENT_DIALYSIS 0xFA8A sfgFmn Label: NLS NOM SETT VENT AWAY FLOW MIN 0x0402FB39 Observed Value: 0xFB39 NOM SETT VENT AWAY FLOW MIN sEndFl Label: NLS NOM SETT VENT FLOW INSP MAX BREATH END 0x0402FA70 Observed Value: NOM_SETT_VENT_FLOW_INSP_MAX_BREATH_END 0xFA70 sPi-eB NLS NOM SETT VENT PRESS AWAY INSP EXP DIFF BACKUP 0x0402FBA2 Observed Value: NOM SETT VENT PRESS AWAY INSP EXP DIFF BACKUP 0xFBA2 RRC02 Label: NLS NOM VENT RESP RATE CO2 0x0002FB27 Observed Value: NOM VENT RESP RATE CO2 0xFB27 RRawf Label: NLS NOM VENT RESP RATE FLOW 0x0002FB28 Observed Value: 0xFB28 NOM_VENT_RESP_RATE_FLOW StrssI Label: NLS_NOM_VENT_STRESS_INDEX 0x0002FAED Observed Value: NOM VENT STRESS INDEX 0xFAED BVolPr Label: NLS_NOM_VOL_TOTAL_BLD_DIALYSIS 0x0002FA8B Observed Value: 0xFA8B NOM VOL TOTAL BLD DIALYSIS

sNebTi	-	
	Label:	00402ED00
	NLS_NOM_SETT_VENT_TIME_PD_NEBULIZER Observed Value:	0x0402FB99
sPSVbd	NOM_SETT_VENT_TIME_PD_NEBULIZER	0xFB99
bibvba	Label:	
	NLS_NOM_SETT_VENT_TIME_PD_PSV_BACKUP_DELAY Observed Value:	0x0402FA74
	NOM_SETT_VENT_TIME_PD_PSV_BACKUP_DELAY	0xFA74
Lksys	- Label:	
	NLS_NOM_VENT_VOL_LEAK_SYSTEM	0x0002FB31
	Observed Value:	0xFB31
iITBVI	NOM_VENT_VOL_LEAK_SYSTEM -	UXFB3I
	Label:	00000ED03
	NLS_NOM_VOL_BLD_INTRA_THOR_INDEX_NONCTS Observed Value:	0x0002FB0A
- T.M.T.D.	NOM_VOL_BLD_INTRA_THOR_INDEX_NONCTS	0xFB0A
iITVB	- Label:	
	NLS_NOM_VOL_BLD_INTRA_THOR_NONCTS Observed Value:	0x0002FB09
	NOM_VOL_BLD_INTRA_THOR_NONCTS	0xFB09
iSI	- Label:	
	NLS_NOM_VOL_BLD_STROKE_INDEX_NONCTS	0x0002FB04
	Observed Value: NOM VOL BLD STROKE INDEX NONCTS	0xFB04
isv	NOM_VOL_BLD_SIRORE_INDEX_NONCIS	4004XU
	Label:	0***0002ED02
	NLS_NOM_VOL_BLD_STROKE_NONCTS Observed Value:	0x0002FB03
DialC	NOM_VOL_BLD_STROKE_NONCTS	0xFB03
Diaic	- Label:	
	NLS_NOM_VOL_DIALYSIS_CUMULATED_DIALYSATE	0x0002FA86
	Observed Value: NOM VOL DIALYSIS CUMULATED DIALYSATE	0xFA86
EfflC		
	Label: NLS NOM VOL DIALYSIS CUMULATED EFFLUENT	0x0002FA88
	Observed Value:	0 7700
PreBC	NOM_VOL_DIALYSIS_CUMULATED_EFFLUENT -	0xFA88
	Label:	
	NLS_NOM_VOL_DIALYSIS_CUMULATED_PRE_BLD Observed Value:	0x0002FA87
D G	NOM_VOL_DIALYSIS_CUMULATED_PRE_BLD	0xFA87
RpostC	- Label:	
	NLS_NOM_VOL_DIALYSIS_CUMULATED_REPLACEMENT_POST	0x0002FA85
	Observed Value: NOM VOL DIALYSIS CUMULATED REPLACEMENT POST	0xFA85
RpreC		
	Label: NLS NOM VOL DIALYSIS CUMULATED REPLACEMENT PRE	0x0002FA84
	Observed Value:	0E3-04
SyrC	NOM_VOL_DIALYSIS_CUMULATED_REPLACEMENT_PRE -	0xFA84
	Label:	000007700
	NLS_NOM_VOL_DIALYSIS_CUMULATED_SYRINGE Observed Value:	0x0002FA89
	NOM_VOL_DIALYSIS_CUMULATED_SYRINGE	0xFA89

Wtcum	-	
	Label:	
	NLS_NOM_VOL_DIFF_FLUID_BAL_PD_TOT	0x0002FA9A
	Observed Value: NOM VOL DIFF FLUID BAL PD TOT	0xFA9A
iGEDVI	HOW_VOU_DIFF_FEOID_BAEE_PD_IOI	UXFAJA
	Label:	
	NLS_NOM_VOL_GLOBAL_END_DIA_INDEX_NONCTS	0x0002FA08
	Observed Value:	
' appre	NOM_VOL_GLOBAL_END_DIA_INDEX_NONCTS	0xFA08
iGEDV	- Label:	
	NLS NOM VOL GLOBAL END DIA NONCTS	0x0002FA07
	Observed Value:	011000211107
	NOM_VOL_GLOBAL_END_DIA_NONCTS	0xFB07
iEVLWI	-	
	Label:	
	NLS_NOM_VOL_LUNG_WATER_EXTRA_VASC_INDEX_NONCTS	0x0002FB0C
	Observed Value: NOM VOL LUNG WATER EXTRA VASC INDEX NONCTS	0xFB0C
iEVLWI	-	OXIDOC
	Label:	
	NLS_NOM_VOL_LUNG_WATER_EXTRA_VASC_NONCTS	0x0002FB0B
	Observed Value:	
	NOM_VOL_LUNG_WATER_EXTRA_VASC_NONCTS	0xFB0B
	Units: UNDEFINED	
LI	Light Intenisty. Sv02	
	Label:	
	NLS_NOM_INTENS_LIGHT	0x0002F072
	Observed Value:	
D00	NOM_INTENS_LIGHT	0xF072
DO2	Oxygen Availability DO2 Label:	
	NLS NOM SAT O2 DELIVER	0x0002F06D
	Observed Value:	
	NOM_SAT_O2_DELIVER	0xF06D
DO2I	Oxygen Availability Index	
	Label:	0000000000
	NLS_NOM_SAT_O2_DELIVER_INDEX Observed Value:	0x0002F06E
	NOM SAT O2 DELIVER INDEX	0xF06E
O2ER	Oxygen Extraction Ratio	
	Label:	
	NLS_NOM_RATIO_SAT_O2_CONSUMP_DELIVER	0x0002F06F
	Observed Value:	
Qs/Qt	NOM_RATIO_SAT_O2_CONSUMP_DELIVER Percent Alveolarvenous Shunt Qs/Qt	0xF06F
Q5/QC	Label:	
	NLS_NOM_RATIO_ART_VEN_SHUNT	0x0002F070
	Observed Value:	
	NOM_RATIO_ART_VEN_SHUNT	0xF070
AaDO2	Alveolar- Arterial Oxygen Difference	
	Label:	000004740
	NLS_NOM_SAT_DIFF_O2_ART_ALV Observed Value:	0x00024B40
	NOM SAT DIFF O2 ART ALV	0x4B40
Sp-v02	Difference between Spo2 and SvO2	
	Label:	
	NLS_NOM_SAT_DIFF_O2_ART_VEN	0x0002F06C
	Observed Value:	0. 70.55
tcGas	NOM_SAT_DIFF_O2_ART_VEN Generic Term for the Transcutaneous Gases	0xF06C
LCGas	Label:	
	NLS_NOM_GAS_TCUT	0x0002F051

	Observed Value: NOM_GAS_TCUT	0xF051
tcp02	Transcutaneous Oxygen Partial Pressure	
	Label: NLS NOM O2 TCUT	0x000250D0
	Observed Value:	0X000250D0
	NOM_O2_TCUT	0x50D0
	Units:	00820
	NOM_DIM_MMHG NOM_DIM_KILO_PASCAL	0x0F20 0x0F03
tcpCO2	Transcutaneous Carbon Dioxide Partial Pressure	
	Label:	000005000
	NLS_NOM_CO2_TCUT Observed Value:	0x000250CC
	NOM_CO2_TCUT	0x50CC
	Units:	
	NOM_DIM_MMHG NOM DIM KILO PASCAL	0x0F20 0x0F03
SitTim	NOM DIM MIN	020103
	Label:	
	NLS_NOM_TIME_TCUT_SENSOR	0x0002F03E
	Observed Value: NOM TIME TCUT SENSOR	0xF03E
SensrT Se	nsor Temperature	ONI OSE
	Label:	
	NLS_NOM_TEMP_TCUT_SENSOR Observed Value:	0x0002F03F
	NOM TEMP TCUT SENSOR	0xF03F
	Units:	
	NOM_DIM_DEGC	0x17A0
Heat Dw NO	NOM_DIM_FAHR 4 DIM MILLI WATT	0x1140
iicaci w ivo	Label:	
	NLS_NOM_HEATING_PWR_TCUT_SENSOR	0x0002F076
	Observed Value:	0
CO2	NOM_HEATING_PWR_TCUT_SENSOR CO2 concentration	0xF076
	Label:	
	NLS_NOM_AWAY_CO2	0x000250AC
	Observed Value (from VueLink): NOM AWAY CO2	0x50AC
	Compound Observed Value:	UAJUAC
	NOM_AWAY_CO2_ET	0
		0x50B0
	NOM_AWAY_CO2_INSP_MIN	0x50B0 0x50BA
	Units:	0x50BA
	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL	0x50BA 0x0F20
RRspir	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry	0x50BA 0x0F20 0x0220
RRspir	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL	0x50BA 0x0F20 0x0220
RRspir	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label:	0x50BA 0x0F20 0x0220 0x0F03
RRspir	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label: NLS_NOM_AWAY_RESP_RATE_SPIRO Observed Value: NOM_AWAY_RESP_RATE_SPIRO	0x50BA 0x0F20 0x0220 0x0F03
RRspir	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label: NLS_NOM_AWAY_RESP_RATE_SPIRO Observed Value: NOM_AWAY_RESP_RATE_SPIRO Units:	0x50BA 0x0F20 0x0220 0x0F03 0x0002F0E2 0xF0E2
RRspir awRR	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label: NLS_NOM_AWAY_RESP_RATE_SPIRO Observed Value: NOM_AWAY_RESP_RATE_SPIRO	0x50BA 0x0F20 0x0220 0x0F03 0x0002F0E2
	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label: NLS_NOM_AWAY_RESP_RATE_SPIRO Observed Value: NOM_AWAY_RESP_RATE_SPIRO Units: NOM_DIM_RESP_PER_MIN Airway Respiration Rate Label:	0x50BA 0x0F20 0x0220 0x0F03 0x0002F0E2 0xF0E2 0x0AE0
	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label: NLS_NOM_AWAY_RESP_RATE_SPIRO Observed Value: NOM_AWAY_RESP_RATE_SPIRO Units: NOM_DIM_RESP_PER_MIN Airway Respiration Rate Label: NLS_NOM_AWAY_RESP_RATE	0x50BA 0x0F20 0x0220 0x0F03 0x0002F0E2 0xF0E2
	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label: NLS_NOM_AWAY_RESP_RATE_SPIRO Observed Value: NOM_AWAY_RESP_RATE_SPIRO Units: NOM_DIM_RESP_PER_MIN Airway Respiration Rate Label:	0x50BA 0x0F20 0x0220 0x0F03 0x0002F0E2 0xF0E2 0x0AE0
	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label: NLS_NOM_AWAY_RESP_RATE_SPIRO Observed Value: NOM_AWAY_RESP_RATE_SPIRO Units: NOM_DIM_RESP_PER_MIN Airway Respiration Rate Label: NLS_NOM_AWAY_RESP_RATE Observed Value:	0x50BA 0x0F20 0x0220 0x0F03 0x0002F0E2 0xF0E2 0x0AE0 0x00025012
awRR	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label: NLS_NOM_AWAY_RESP_RATE_SPIRO Observed Value: NOM_AWAY_RESP_RATE_SPIRO Units: NOM_DIM_RESP_PER_MIN Airway Respiration Rate Label: NLS_NOM_AWAY_RESP_RATE Observed Value: NOM_AWAY_RESP_RATE Observed Value: NOM_AWAY_RESP_RATE Units: NOM_DIM_RESP_PER_MIN	0x50BA 0x0F20 0x0220 0x0F03 0x0002F0E2 0xF0E2 0x0AE0 0x00025012
	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label: NLS_NOM_AWAY_RESP_RATE_SPIRO Observed Value: NOM_AWAY_RESP_RATE_SPIRO Units: NOM_DIM_RESP_PER_MIN Airway Respiration Rate Label: NLS_NOM_AWAY_RESP_RATE Observed Value: NOM_AWAY_RESP_RATE Observed Value: NOM_AWAY_RESP_RATE Units: NOM_DIM_RESP_PER_MIN Acoustic Respiration	0x50BA 0x0F20 0x0220 0x0F03 0x0002F0E2 0xF0E2 0x0AE0 0x00025012
awRR	Units: NOM_DIM_MMHG NOM_DIM_PERCENT NOM_DIM_KILO_PASCAL Respiration Rate from Spirometry Label: NLS_NOM_AWAY_RESP_RATE_SPIRO Observed Value: NOM_AWAY_RESP_RATE_SPIRO Units: NOM_DIM_RESP_PER_MIN Airway Respiration Rate Label: NLS_NOM_AWAY_RESP_RATE Observed Value: NOM_AWAY_RESP_RATE Observed Value: NOM_AWAY_RESP_RATE Units: NOM_DIM_RESP_PER_MIN	0x50BA 0x0F20 0x0220 0x0F03 0x0002F0E2 0xF0E2 0x0AE0 0x00025012

	Observed Value:	
	NOM_ACOUSTIC_RESP	0xFB5E
	Units:	
02	UNDEFINED Generic oxigen measurement label	
02	Label:	
	NLS_NOM_CONC_AWAY_O2	0x00025164
	Observed Value (from VueLink):	
	NOM_CONC_AWAY_O2	0x5164
	Compound Observed Value: NOM CONC AWAY O2 ET	0x5378
	NOM_CONC_AWAY_O2_BY NOM_CONC_AWAY_O2_INSP	0x5378 0x5284
	Units:	
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_PERCENT	0x0220
FIO2	NOM_DIM_KILO_PASCAL Fractional Inspired Oxygen FIO2	0x0F03
1102	Label:	
	NLS_NOM_VENT_CONC_AWAY_O2_INSP	0x00027498
	Observed Value:	
D.D.	NOM_VENT_CONC_AWAY_O2_INSP	0x7498
RR	Respiration Rate Label:	
	NLS NOM RESP RATE	0x0002500A
	Observed Value:	
	NOM_RESP_RATE	0x500A
	Units:	007.E0
T.I.	NOM_DIM_RESP_PER_MIN Transthoracic Impedance	0x0AE0
	Label:	
	NLS_NOM_IMPED_TTHOR	0x000250E4
	Observed Value:	05084
RRac	NOM_IMPED_TTHOR Accoustic Respiration Rate	0x50E4
	Label:	
	NLS_NOM_ACOUSTIC_RESP_RATE	0x0002FB5F
	Observed Value:	0BD = B
	NOM_ACOUSTIC_RESP_RATE Units:	0xFB5F
	NOM DIM RESP PER MIN	0x0AE0
VCO2	CO2 Production	
	Label:	
	NLS_NOM_FLOW_CO2_PROD_RESP Observed Value:	0x000250E0
	NOM_FLOW_CO2_PROD_RESP	0x50E0
VCO2ti	CO2 Tidal Production	
	Label:	
	NLS_NOM_FLOW_CO2_PROD_RESP_TIDAL	0x0002F882
	Observed Value: NOM FLOW CO2 PROD RESP TIDAL	0xF882
Pplat	Plateau Pressure	0711 002
	Label:	
	NLS_NOM_PRESS_RESP_PLAT	0x000250E8
	Observed Value:	0x50E8
PplDyn	NOM_PRESS_RESP_PLAT Plateau Pressure	OXSOE6
r 2	Label:	
	NLS_NOM_PRESS_RESP_PLAT_DYN	0x0002FBB6
	Observed Value:	0 7776
AWP	NOM_PRESS_RESP_PLAT_DYN Airway Pressure Wave	0xFBB6
7.711.T	Label:	
	NLS_NOM_PRESS_AWAY	0x000250F0
	Observed Value:	
	NOM_PRESS_AWAY	0x50F0

NIS.NOM_PRESS_AMAY_MIN 0x50F2 CPAP	AWPmin	Airway Pressure Minimum Label:	
NOM_PRESS_AMAY_INN		NLS_NOM_PRESS_AWAY_MIN	0x000250F2
Label: NLS NOW PRESS_AWAY_CTS_POS 0x000250P4 NLS NOW PRESS_AWAY_CTS_POS 0x50F4 NLS NOW PRESS_AWAY_CTS_POS 0x50F4 NLS NOW PRESS_AWAY_CTS_POS 0x50F4 NLS NOW PRESS_AWAY_END_EXP_POS_INTRINSIC 0x00025100 0x50F4 NLS NOW PRESS_AWAY_END_EXP_POS_INTRINSIC 0x5100 0x5100			0x50F2
NLS NOM PRESS ANAY_CTS_POS 0x50744 0x5074 0x5074	CPAP		
NOM_PRESS_AWAY_CTS_POS		NLS_NOM_PRESS_AWAY_CTS_POS	0x000250F4
Label:		NOM_PRESS_AWAY_CTS_POS	0x50F4
NILS NOM PRESS AWAY END EXP_POS_INTRINSIC	iPEEP	5	
NOM PRESS_ AWAY_END_EXP_POS_INTRINSIC			0x00025100
AMPIN			0×5100
NLS_NOM_PRESS_AWAY_INSP 0x5108 0x5109 0x5108 0x5109 0x5108 0x	AWPin		023100
Observed Value:			000005100
NOW PRESS AWAY INSP POSITIVE INSPIRATORY PRESSURE Label: NLS NOM PRESS AWAY INSP MAX Ox00025109 Observed Value: NOM PRESS AWAY INSP MAX Ox5109 Ox50025109 Ox50025108			0x00025108
Label: NLS NOM_PRESS_AWAY_INSP_MAX		NOM_PRESS_AWAY_INSP	0x5108
NLS_NOM_PRESS_AWAY_INSP_MAX Ox50025109 Ox50025109 Ox5002704 Ox50025109 Ox50025108	PIP		
NOM_PRESS_AWAY_INSP_MAX 0x5109		NLS_NOM_PRESS_AWAY_INSP_MAX	0x00025109
MnAWP Mean Airway Pressure. Printer Context Label:			07rE100
NLS_NOM_PRESS_AWAY_INSP_MEAN 0x5002510B Observed Value:	MnAwP		0.000
Observed Value: NOM PRESS AWAY INSP_MEAN 0x510B			
Inpired:Expired Ratio Label: NLS_NOM_RATIO_IE Ox00025118 Ox00025120 Ox00025112 Ox00025112 Ox00025112 Ox00025112 Ox00025112 Ox00025112 Ox00025112 Ox00025120 Ox0			0x0002510B
Label:		NOM_PRESS_AWAY_INSP_MEAN	0x510B
NLS_NOM_RATIO_IE	I:E 1:		
NOM_RATIO_IE_I NOM_RATIO_IE_E NOM_RATIO_IE_E Ratio of Deadspace to Tidal Volume Vd/Vt Label: NLS_NOM_RATIO_AWAY_DEADSP_TIDAL			0x00025118
NOM_RATIO_IE_E		-	
Vd/Vt Ratio of Deadspace to Tidal Volume Vd/Vt Label: 0x0002511C NLS_NOM_RATIO_AWAY_DEADSP_TIDAL 0x0002511C Observed Value: 0x511C Raw Static Lung Resistance 0x00025120 Label: 0x00025120 Observed Value: 0x5120 TV Tidal Volume 0x5120 Label: 0x5120 NLS_NOM_VOL_AWAY_TIDAL 0x0002513C Observed Value (from VueLink): 0x513C NOM_VOL_AWAY_TIDAL 0x513C Compound Observed Value: 0x513C TVexp expired Tidal Volume 0x60025161 Label: 0x6002502 NLS_NOM_VOL_AWAY_EXP_TIDAL 0x6002502 TVin inspired Tidal Volume 0x6002502 Label: NLS_NOM_VOL_AWAY_INSP_TIDAL 0x0002502 Observed Value: 0x6002502 NLS_NOM_VOL_AWAY_INSP_TIDAL 0x6002502 NOM_VOL_AWAY_INSP_TIDAL 0x6002502 NOM_VOL_AWAY_INSP_TIDAL 0x6002502 NOM_VOL_AWAY_INSP_TIDAL 0x6002502 NOM_VOL_AWAY_INSP_TIDAL 0x6002502 NOM_VOL_AWAY_			
NLS_NOM_RATIO_AWAY_DEADSP_TIDAL 0x0002511C Observed Value:	Vd/Vt		
Observed Value: NOM_RATIO_AWAY_DEADSP_TIDAL			0×0002511C
Raw Static Lung Resistance Label: NLS_NOM_RES_AWAY 0x00025120 Observed Value: 0x5120 TV Tidal Volume 0x5120 Label: NLS_NOM_VOL_AWAY_TIDAL 0x0002513C Observed Value (from VueLink): 0x513C Compound Observed Value: 0x513C TVexp expired Tidal Volume 0x0002F0E1 Label: 0x0002F0E1 Observed Value: 0x0002F0E1 TVin inspired Tidal Volume 0xF0E1 Label: NLS_NOM_VOL_AWAY_INSP_TIDAL 0x0002F0E0 Observed Value: 0x0002F0E0 NOM_VOL_AWAY_INSP_TIDAL 0x0002F0E0 Observed Value: 0x60002F0E0 MINVOL Airway Minute Volum Inspiratory 0xF0E0			0100023110
Label: NLS_NOM_RES_AWAY Ox00025120 Observed Value: NOM_RES_AWAY Ox5120 TV Tidal Volume Label: NLS_NOM_VOL_AWAY_TIDAL Observed Value (from VueLink): NOM_VOL_AWAY_TIDAL Compound Observed Value: TVexp expired Tidal Volume Label: NLS_NOM_VOL_AWAY_EXP_TIDAL Observed Value: NOM_VOL_AWAY_EXP_TIDAL Observed Value: NOM_VOL_AWAY_EXP_TIDAL Observed Value: NOM_VOL_AWAY_EXP_TIDAL Ox5002F0E1 TVin inspired Tidal Volume Label: NLS_NOM_VOL_AWAY_INSP_TIDAL Ox6002F0E0 Observed Value: NOM_VOL_AWAY_INSP_TIDAL Ox50002F0E0 Observed Value: NOM_VOL_AWAY_INSP_TIDAL Ox50002F0E0 MINVOL Airway Minute Volum Inspiratory Label:	Darr		0x511C
Observed Value:	Raw		
NOM_RES_AWAY			0x00025120
TV Tidal Volume Label: NLS_NOM_VOL_AWAY_TIDAL			0×5120
NLS_NOM_VOL_AWAY_TIDAL	TV		
Observed Value (from VueLink): NOM_VOL_AWAY_TIDAL			0*00025120
Compound Observed Value: TVexp expired Tidal Volume Label: NLS_NOM_VOL_AWAY_EXP_TIDAL 0x0002F0E1 Observed Value: NOM_VOL_AWAY_EXP_TIDAL 0xF0E1 TVin inspired Tidal Volume Label: NLS_NOM_VOL_AWAY_INSP_TIDAL 0x0002F0E0 Observed Value: NOM_VOL_AWAY_INSP_TIDAL 0xF0E0 MINVOL Airway Minute Volum Inspiratory Label:			0x0002513C
TVexp			0x513C
Label: NLS_NOM_VOL_AWAY_EXP_TIDAL	TVexp		
Observed Value: NOM_VOL_AWAY_EXP_TIDAL OxF0E1 TVin inspired Tidal Volume Label: NLS_NOM_VOL_AWAY_INSP_TIDAL Observed Value: NOM_VOL_AWAY_INSP_TIDAL OxF0E0 MINVOL Airway Minute Volum Inspiratory Label:	r L	•	
NOM_VOL_AWAY_EXP_TIDAL 0xF0E1 TVin inspired Tidal Volume Label: NLS_NOM_VOL_AWAY_INSP_TIDAL 0x0002F0E0 Observed Value: NOM_VOL_AWAY_INSP_TIDAL 0xF0E0 MINVOL Airway Minute Volum Inspiratory Label:			0x0002F0E1
Label: NLS_NOM_VOL_AWAY_INSP_TIDAL Observed Value: NOM_VOL_AWAY_INSP_TIDAL MINVOL Airway Minute Volum Inspiratory Label:			0xF0E1
NLS_NOM_VOL_AWAY_INSP_TIDAL 0x0002F0E0 Observed Value: NOM_VOL_AWAY_INSP_TIDAL 0xF0E0 MINVOL Airway Minute Volum Inspiratory Label:	TVin	-	
Observed Value: NOM_VOL_AWAY_INSP_TIDAL MINVOL Airway Minute Volum Inspiratory Label:			0x0002F0E0
MINVOL Airway Minute Volum Inspiratory Label:		Observed Value:	
Label:	MTNVOT.		0xF0E0
NLS_NOM_VOL_MINUTE_AWAY 0x00025148	1-1 TIN A OFF		
		NLS_NOM_VOL_MINUTE_AWAY	0x00025148

	Observed Value (from VueLink):	
	NOM_VOL_MINUTE_AWAY	0x5148
	Compound Observed Value:	
	NOM_VOL_MINUTE_AWAY_EXP	0x514C
	NOM_VOL_MINUTE_AWAY_INSP Units:	0x5150
	NOM DIM X L PER MIN	0x0C00
PlatTi	Plateau Time	
	Label:	
	NLS_NOM_TIME_PD_RESP_PLAT	0x0002F0FF
	Observed Value:	
	NOM_TIME_PD_RESP_PLAT	0xF0FF
SpMV	Spontaneous Minute Volume Label:	
	NLS NOM VENT VOL MINUTE AWAY SPONT	0x0002F091
	Observed Value:	01100021091
	NOM VENT VOL MINUTE AWAY SPONT	0xF091
SpMVe	Spontaneous Minute Volume	
	Label:	
	NLS_NOM_VENT_VOL_MINUTE_AWAY_SPONT_EXP	0x0002FB1B
	Observed Value:	0ED1D
Delta02	NOM_VENT_VOL_MINUTE_AWAY_SPONT_EXP relative Dead Space	0xFB1B
Deitaoz	Label:	
	NLS NOM VENT CONC AWAY O2 DELTA	0x00025168
	Observed Value:	
	NOM_VENT_CONC_AWAY_O2_DELTA	0x5168
PECO2	Partial O2 Venous	
	Label:	00005188
	NLS_NOM_VENT_AWAY_CO2_EXP Observed Value:	0x0002517C
	NOM VENT AWAY CO2 EXP	0x517C
AWFin	Airway Flow Wave - measured in the inspiratory path	0113176
	Label:	
	NLS_NOM_VENT_FLOW_INSP	0x0002518C
	Observed Value:	
1101	NOM_VENT_FLOW_INSP	0x518C
VQI	Ventilation Perfusion Index Label:	
	NLS NOM VENT FLOW RATIO PERF ALV INDEX	0x00025190
	Observed Value:	
	NOM_VENT_FLOW_RATIO_PERF_ALV_INDEX	0x5190
Poccl	Occlusion Pressure	
	Label:	
	NLS_NOM_VENT_PRESS_OCCL	0x0002519C
	Observed Value: NOM VENT PRESS OCCL	0x519C
PEEP	Positive End-Expiratory Pressure PEEP	0.000
	Label:	
	NLS_NOM_VENT_PRESS_AWAY_END_EXP_POS	0x000251A8
	Observed Value:	
** 1	NOM_VENT_PRESS_AWAY_END_EXP_POS	0x51A8
Vd	Dead Space Volume Vd Label:	
	NLS NOM VENT VOL AWAY DEADSP	0x000251B0
	Observed Value:	01100023120
	NOM_VENT_VOL_AWAY_DEADSP	0x51B0
relVd	relative Dead Space	
	Label:	
	NLS_NOM_VENT_VOL_AWAY_DEADSP_REL	0x000251B4
	Observed Value:	0.45
TrpVol	NOM_VENT_VOL_AWAY_DEADSP_REL Lung Volume Trapped	0x51B4
	Label:	
	NLS NOM_VENT_VOL_LUNG_TRAPD	0x000251B8
	_	

	Observed Value:	
	NOM VENT VOL LUNG TRAPD	0x51B8
Leak	Leakage	
	Label:	
	NLS_NOM_VENT_VOL_LEAK	0x00025370
	Observed Value: NOM VENT VOL LEAK	0×5370
ALVENT	Alveolar Ventilation ALVENT	0113370
	Label:	
	NLS_NOM_VENT_VOL_LUNG_ALV	0x00025374
	Observed Value:	0 5054
VC	NOM_VENT_VOL_LUNG_ALV Vital Lung Capacity	0x5374
VC	Label:	
	NLS_NOM_CAPAC_VITAL	0x00025080
	Observed Value:	
	NOM_CAPAC_VITAL	0x5080
COMP	generic label Lung Compliance Label:	
	NLS NOM COMPL LUNG	0x00025088
	Observed Value:	
	NOM_COMPL_LUNG	0x5088
Cdyn	Dynamic Lung Compliance	
	Label: NLS NOM COMPL LUNG DYN	0x0002508C
	Observed Value:	0200025000
	NOM_COMPL_LUNG_DYN	0x508C
Cstat	Static Lung Compliance	
	Label:	000005000
	NLS_NOM_COMPL_LUNG_STATIC Observed Value:	0x00025090
	NOM COMPL LUNG STATIC	0x5090
PIF	Inspiratory Peak Flow	
	Label:	
	NLS_NOM_FLOW_AWAY_INSP_MAX	0x000250DD
	Observed Value: NOM FLOW AWAY INSP MAX	0x50DD
PEF	Expiratory Peak Flow	
	Label:	
	NLS_NOM_FLOW_AWAY_EXP_MAX	0x000250D9
	Observed Value: NOM FLOW AWAY EXP MAX	0x50D9
bbVC02	-	023003
	Label:	
	NLS_NOM_FLOW_CO2_PROD_RESP_BB	0x0002F1B4
	Observed Value:	0 7474
Valv	NOM_FLOW_CO2_PROD_RESP_BB	0xF1B4
	Label:	
	NLS_NOM_VOL_LUNG_ALV	0x0002F1B0
	Observed Value:	
awVd	NOM_VOL_LUNG_ALV	0xF1B0
awvu	Label:	
	NLS_NOM_VOL_AWAY_DEADSP	0x00025140
	Observed Value:	
	NOM_VOL_AWAY_DEADSP	0x5140
appVd	- Label:	
	NLS NOM VENT VOL DEADSP APP	0x0002F1B8
	Observed Value:	-
	NOM_VENT_VOL_DEADSP_APP	0xF1B8
	Units:	
Vdalv	UNDEFINED	
vuai v		

	Label:		
	NLS_NOM_VOL_DEADSP_ALV	0x00	002FB84
	Observed Value:	. ===	
TValv	NOM_VOL_DEADSP_ALV	0xFE	184
	Label:		
	NLS_NOM_VOL_TIDAL_ALV	0x00	002FB85
	Observed Value: NOM VOL TIDAL ALV	0xFI	385
RQ			
	Label: NLS_NOM_QUO_RESP	0~00	0025114
	Observed Value:	0.000	1023114
	NOM_QUO_RESP	0x51	.14
EE	_		
	Label:		
	NLS_NOM_ENERGY_EXPEND Observed Value:	0x0	002F1A4
	NOM ENERGY EXPEND	0xF	1A4
dE			
	Label: NLS NOM ENERGY BAL	0×0	002F1A5
	Observed Value:	ONO	0021 1113
DIG	NOM_ENERGY_BAL	0xF	1A5
BIS	Bispectral Index Label:		
	NLS_NOM_EEG_BISPECTRAL_INDEX	0x00	002F04E
	Observed Value: NOM EEG BISPECTRAL INDEX	0xF0)4E
	Units:		
BIS L	NOM_DIM_DIMLESS	0x02	200
RIS T	Bispectral Index Left Label:		
	NLS_NOM_EEG_BISPECTRAL_INDEX_LEFT	0x00	02FABE
	Observed Value: NOM EEG BISPECTRAL INDEX LEFT	0×FA	ARE
BIS R	Bispectral Index Right	OHII	
	Label:	000	
	NLS_NOM_EEG_BISPECTRAL_INDEX_RIGHT Observed Value:	0x00	002FABF
	NOM_EEG_BISPECTRAL_INDEX_RIGHT	0xFA	BF
SQI	Signal Quality Index Label:		
	NLS_NOM_EEG_BIS_SIG_QUAL_INDEX	0x00	002F04D
	Observed Value:	0	. 45
	NOM_EEG_BIS_SIG_QUAL_INDEX Units:	0xF0	74D
	NOM_DIM_PERCENT	0x02	220
SQI L	Signal Quality Index Left Label:		
	NLS_NOM_EEG_BIS_SIG_QUAL_INDEX_LEFT	0x00	002FAC2
	Observed Value: NOM EEG BIS SIG QUAL INDEX LEFT	0xFA	N C 2
SQI R	Signal Quality Index Right	UAFF	102
	Label:		
	NLS_NOM_EEG_BIS_SIG_QUAL_INDEX_RIGHT Observed Value:	0x00	002FAC3
	NOM_EEG_BIS_SIG_QUAL_INDEX_RIGHT	0xF/	4C3
BISSQI	- Label:		
	NLS_BIS_NAMES_SQI_INDICATOR	0x80	0195401
	Observed Value:		
EMG	UNKNOWN Electromyography		
-	· · 1·J · F 1		

	Label:	
	NLS_NOM_EMG_ELEC_POTL_MUSCL	0x0002593C
	Observed Value: NOM EMG ELEC POTL MUSCL	0x593C
	Units:	023336
7110 7	NOM_DIM_DECIBEL	0x1920
EMG L	Electromyography Left Label:	
	NLS_NOM_EMG_ELEC_POTL_MUSCL_LEFT	0x0002FAC0
	Observed Value: NOM EMG ELEC POTL MUSCL LEFT	0xFAC0
EMG R	Electromyography Right	01121100
	Label: NLS NOM EMG ELEC POTL MUSCL RIGHT	0x0002FAC1
	Observed Value:	0X0002FAC1
	NOM_EMG_ELEC_POTL_MUSCL_RIGHT	0xFAC1
BISEMG	- Label:	
	NLS_BIS_NAMES_EMG_INDICATOR	0x80195402
	Observed Value: UNKNOWN	
TP	Total Power	
	Label: NLS NOM EEG PWR SPEC TOT	0x000259B8
	Observed Value:	0200023980
	NOM_EEG_PWR_SPEC_TOT Units:	0x59B8
	NOM_DIM_DECIBEL	0x1920
TP1	Total Power channel 1	
	Label: NLS EEG NAMES CHAN TP1	0x800F5403
	Observed Value:	0.5000
	NOM_EEG_PWR_SPEC_TOT Units:	0x59B8
	NOM_DIM_NANO_WATT	0x0FD4
TP2	Total Power channel 2 Label:	
	NLS_EEG_NAMES_CHAN_TP2	0x800F5404
	Observed Value: NOM_EEG_PWR_SPEC_TOT	0x59B8
	Units:	
TP3	NOM_DIM_NANO_WATT Total Power channel 3	0x0FD4
113	Label:	
	NLS_EEG_NAMES_CHAN_TP3	0x800F5436
	Observed Value: NOM_EEG_PWR_SPEC_TOT	0x59B8
	Units:	00 FID 4
TP4	NOM_DIM_NANO_WATT Total Power channel 4	0x0FD4
	Label:	
	NLS_EEG_NAMES_CHAN_TP4 Observed Value:	0x800F5438
	NOM_EEG_PWR_SPEC_TOT	0x59B8
	Units: NOM_DIM_NANO_WATT	0x0FD4
TP L	Total Power Left Side	
	Label: NLS_NOM_EEG_PWR_SPEC_TOT_LEFT	0x0002F871
	Observed Value:	
TP R	NOM_EEG_PWR_SPEC_TOT_LEFT Total Power Right Side	0xF871
11 1	Label:	
	NLS_NOM_EEG_PWR_SPEC_TOT_RIGHT	0x0002F872
	Observed Value:	

TPrel	<pre>NOM_EEG_PWR_SPEC_TOT_RIGHT Total Power Relative? Label:</pre>	0xF872
	NLS_NOM_EEG_PWR_SPEC_REL	0x0002F050
	Observed Value:	0
	NOM_EEG_PWR_SPEC_REL Units:	0xF050
	UNDEFINED	
ASYM	Asymmetry Label:	
	NLS_NOM_EEG_BIS_ASYM	0x0002FAD0
	Observed Value: NOM EEG BIS ASYM	0xFAD0
ASYM L	Asymmetry Left	OMITEO
	Label: NLS_NOM_EEG_BIS_ASYM_LEFT	0x0002FBCC
	Observed Value:	0X000ZI Dec
A CVM D	NOM_EEG_BIS_ASYM_LEFT	0xFBCC
ASYM R	Asymmetry Right Label:	
	NLS_NOM_EEG_BIS_ASYM_RIGHT	0x0002FBCD
	Observed Value: NOM EEG BIS ASYM RIGHT	0xFBCD
	Units:	
SR	UNDEFINED Suppression Ratio	
	Label:	
	NLS_NOM_EEG_RATIO_SUPPRN Observed Value:	0x0002F04A
	NOM_EEG_RATIO_SUPPRN	0xF04A
	Units: NOM DIM PERCENT	0x0220
SR L	Suppression Ratio Left	0.02.2.0
	Label: NLS_NOM_EEG_RATIO_SUPPRN_LEFT	0000000000000000000000000000000000000
	Observed Value:	0x0002FAC4
an n	NOM_EEG_RATIO_SUPPRN_LEFT	0xFAC4
SR R	Suppression Ratio Right Label:	
	NLS_NOM_EEG_RATIO_SUPPRN_RIGHT	0x0002FAC5
	Observed Value: NOM EEG RATIO SUPPRN RIGHT	0xFAC5
	Units:	
BurstL	UNDEFINED -	
	Label:	
	NLS_NOM_EEG_NOM_SPK_LEFT Observed Value:	0x0002FAC6
	NOM_EEG_NOM_SPK_LEFT	0xFAC6
BurstR	- Label:	
	NLS_NOM_EEG_NOM_SPK_RIGHT	0x0002FAC7
	Observed Value: NOM EEG NOM SPK RIGHT	0xFAC7
SEF	Spectral Edge Frequency	OXI AC /
	Label: NLS NOM EEG FREQ PWR SPEC CRTX SPECTRAL EDGE	0x00025988
	Observed Value:	0.000023300
	NOM_EEG_FREQ_PWR_SPEC_CRTX_SPECTRAL_EDGE	0x5988
	Units: NOM_DIM_HZ	0x09C0
SEF L	Spectral Edge Frequency Left Side	
	Label: NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_SPECTRAL_EDGE_LEFT	0x0002F853
	Observed Value:	

SEF R	NOM_EEG_FREQ_PWR_SPEC_CRTX_SPECTRAL_EDGE_LEFT 0xf853 Spectral Edge Frequency Right Side Label:	
	NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_SPECTRAL_EDGE_RIGHT	0x0002F854
	Observed Value: NOM EEG FREQ PWR SPEC CRTX SPECTRAL EDGE RIGHT	0xF854
MDF	Mean Dominant Frequency	
	Label:	000005050
	NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN Observed Value:	0x0002597C
	NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN	0x597C
	Units:	
PPF	NOM_DIM_HZ Peak Power Frequency	0x09C0
111	Label:	
	NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_PEAK	0x00025984
	Observed Value: NOM EEG FREQ PWR SPEC CRTX PEAK	0x5984
	Units:	0110501
	NOM_DIM_HZ	0x09C0
Frequ1	generic label for EEG channel 1 Label:	
	NLS_EEG_NAMES_CHAN_FREQ1	0x800F5413
	Compound Observed Value:	
	NOM_EEG_FREQ_PWR_SPEC_CRTX_SPECTRAL_EDGE NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN	0x5988 0x597C
	NOM_EEG_FREQ_FWK_SFEC_CRTX_DOM_MEAN NOM_EEG_FREQ_PWR_SPEC_CRTX_PEAK	0x597C 0x5984
	Units:	
Erogua	NOM_DIM_HZ	0x09C0
Frequ2	generic label for EEG channel 2 Label:	
	NLS_EEG_NAMES_CHAN_FREQ2	0x800F5414
	Compound Observed Value:	0
	NOM_EEG_FREQ_PWR_SPEC_CRTX_SPECTRAL_EDGE NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN	0x5988 0x597C
	NOM_EEG_FREQ_PWR_SPEC_CRTX_PEAK	0x5984
	Units:	00000
Fregu3	NOM_DIM_HZ qeneric label for EEG channel 3	0x09C0
-	Label:	
	NLS_EEG_NAMES_CHAN_FREQ3	0x800F5456
SEF3	depends on configuration Spectral Edge Frequency	
	Label:	
	NLS_EEG_NAMES_CHAN_SEF3	0x800F543A
	Observed Value: NOM EEG FREQ PWR SPEC CRTX SPECTRAL EDGE	0x5988
	Units:	
	NOM_DIM_HZ	0x09C0
MDF3	Mean Domain Frequency Label:	
	NLS_EEG_NAMES_CHAN_MDF3	0x800F543E
	Observed Value:	0.5056
	NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN Units:	0x597C
	NOM_DIM_HZ	0x09C0
PPF3	Peak Power Frequency	
	Label: NLS EEG NAMES CHAN PPF3	0x800F5442
	Observed Value:	3100013442
	NOM_EEG_FREQ_PWR_SPEC_CRTX_PEAK	0x5984
	Units: NOM DIM HZ	0x09C0
Frequ4	generic label for EEG channel 4	
	Label:	

SEF4	NLS_EEG_NAMES_CHAN_FREQ4 depends on configuration Spectral Edge Frequency	0x800F5458
	Label: NLS_EEG_NAMES_CHAN_SEF4	0x800F543C
	Observed Value: NOM_EEG_FREQ_PWR_SPEC_CRTX_SPECTRAL_EDGE Units:	0x5988
MDF4	NOM_DIM_HZ Mean Domain Frequency	0x09C0
	Label: NLS_EEG_NAMES_CHAN_MDF4	0x800F5440
	Observed Value: NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN	0x597C
DDE4	Units: NOM_DIM_HZ	0x09C0
PPF4	Peak Power Frequency Label: NLS EEG NAMES CHAN PPF4	0x800F5444
	Observed Value: NOM EEG FREQ PWR SPEC CRTX PEAK	0x5984
	Units:	0x09C0
Prcnt1	generic label for EEG channel 1 Label:	
	NLS_EEG_NAMES_CHAN_PCNT1 Compound Observed Value:	0x800F5415
	NOM_EEG_PWR_SPEC_ALPHA_REL NOM EEG PWR SPEC BETA REL	0x59D4 0x59D8
	NOM_EEG_PWR_SPEC_BETA_REL NOM_EEG_PWR_SPEC_DELTA_REL	0x59D6 0x59DC
	NOM_EEG_PWR_SPEC_THETA_REL	0x59E0
	Units: NOM_DIM_PERCENT	0x0220
Prcnt2	generic label for EEG channel 2	
	Label: NLS EEG NAMES CHAN PCNT2	0x800F5416
	Compound Observed Value:	
	NOM_EEG_PWR_SPEC_ALPHA_REL	0x59D4
	NOM_EEG_PWR_SPEC_BETA_REL	0x59D8
	NOM_EEG_PWR_SPEC_DELTA_REL NOM EEG PWR SPEC THETA REL	0x59DC 0x59E0
	Units:	0X59E0
	NOM_DIM_PERCENT	0x0220
Prcnt3	generic label for EEG channel 3	
	Label: NLS EEG NAMES CHAN PCNT3	0x800F545A
	depends on configuration	0.0001343A
Alpha3	Alpha	
	Label:	0.000=5446
	NLS_EEG_NAMES_CHAN_ALPHA3 Observed Value:	0x800F5446
	NOM_EEG_PWR_SPEC_ALPHA_REL Units:	0x59D4
Beta3	NOM_DIM_PERCENT Beta	0x0220
Бесаз	Label:	
	NLS_EEG_NAMES_CHAN_BETA3	0x800F544A
	Observed Value: NOM_EEG_PWR_SPEC_BETA_REL	0x59D8
	Units: NOM DIM PERCENT	0x0220
Delta3	Delta	
	Label:	
	NLS_EEG_NAMES_CHAN_DELTA3 Observed Value:	0x800F5452

	NOM_EEG_PWR_SPEC_DELTA_REL	0x59DC
	Units: NOM DIM PERCENT	0x0220
Theta3	Theta	0.0220
	Label:	
	NLS_EEG_NAMES_CHAN_THETA3	0x800F544E
	Observed Value: NOM EEG PWR SPEC THETA REL	0x59E0
	Units:	023300
	NOM_DIM_PERCENT	0x0220
Prcnt4	generic label for EEG channel 4 Label:	
	NLS EEG NAMES CHAN PCNT4	0x800F545C
	depends on configuration	
Alpha4	Alpha	
	Label: NLS_EEG_NAMES_CHAN_ALPHA4	0x800F5448
	Observed Value:	020001.2440
	NOM_EEG_PWR_SPEC_ALPHA_REL	0x59D4
	Units:	00220
Beta4	NOM_DIM_PERCENT Beta	0x0220
	Label:	
	NLS_EEG_NAMES_CHAN_BETA4	0x800F544C
	Observed Value: NOM EEG PWR SPEC BETA REL	0x59D8
	Units:	0113720
_	NOM_DIM_PERCENT	0x0220
Delta4	Delta Label:	
	NLS_EEG_NAMES_CHAN_DELTA4	0x800F5454
	Observed Value:	
	NOM_EEG_PWR_SPEC_DELTA_REL Units:	0x59DC
	NOM_DIM_PERCENT	0x0220
Theta4	Theta	
	Label: NLS EEG NAMES CHAN THETA4	0x800F5450
	Observed Value:	0.000013430
	NOM_EEG_PWR_SPEC_THETA_REL	0x59E0
	Units: NOM DIM PERCENT	0x0220
BSR1	BSR channel 1	0.0220
	Label:	
	NLS_EEG_NAMES_CHAN_BSR1 Observed Value:	0x800F5462
	NOM EEG RATIO SUPPRN	0xF04A
	Units:	
Dano	NOM_DIM_PERCENT	0x0220
BSR2	BSR channel 2 Label:	
	NLS_EEG_NAMES_CHAN_BSR2	0x800F5464
	Observed Value:	0
	NOM_EEG_RATIO_SUPPRN Units:	0xF04A
	NOM_DIM_PERCENT	0x0220
BSR3	BSR channel 3	
	Label: NLS EEG NAMES CHAN BSR3	0x800F5466
	Observed Value:	
	NOM_EEG_RATIO_SUPPRN	0xF04A
	Units: NOM DIM PERCENT	0x0220
BSR4	BSR channel 4	3110220
	Label:	

	NLS_EEG_NAMES_CHAN_BSR4	0x800F5468
	Observed Value:	
	NOM_EEG_RATIO_SUPPRN	0xF04A
	Units:	
	NOM_DIM_PERCENT	0x0220
aEEG1	amplified EEG channel 1	
	Label:	
	NLS_EEG_NAMES_CHAN_AEEG1	0x800F546A
	Observed Value:	
	NOM_EEG_AMPL_INTEGR	0xF05A
	Units:	
	NOM_DIM_MICRO_VOLT	0x10B3
aEEG2	amplified EEG channel 2	
	Label:	0.00075466
	NLS_EEG_NAMES_CHAN_AEEG2	0x800F546C
	Observed Value:	
	NOM_EEG_AMPL_INTEGR	0xF05A
	Units:	01002
• HHG2	NOM_DIM_MICRO_VOLT amplified EEG channel 3	0x10B3
aEEG3	Label:	
	NLS EEG NAMES CHAN AEEG3	0x800F546E
	Observed Value:	3046100030
	NOM EEG AMPL INTEGR	0xF05A
	Units:	UAT USA
	NOM DIM MICRO VOLT	0x10B3
+aEEG4	amplified EEG channel 4	UXIUDS
rabbor	Label:	
	NLS_EEG_NAMES_CHAN_AEEG4	0x800F5470
	Observed Value:	0110 0 0 1 0 1 7 0
	NOM EEG AMPL INTEGR	0xF05A
	Units:	
	NOM DIM MICRO VOLT	0x10B3
AAI	A-Line ARX Index	
	Label:	
	NLS_NOM_ELEC_EVOK_POTL_CRTX_ACOUSTIC_AAI	0x0002F873
	Observed Value:	
	NOM_ELEC_EVOK_POTL_CRTX_ACOUSTIC_AAI	0xF873
BSI	Burst Suppression Indicator	
	Label:	
	NLS_NOM_EEG_BURST_SUPPRN_INDEX	0x0002F840
	Observed Value:	
	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX	0x0002F840 0xF840
Temp	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature	
Temp	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label:	0xF840
Temp	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP	
Temp	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value:	0xF840 0x00024B48
Temp	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP	0xF840
Temp	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units:	0xF840 0x00024B48 0x4B48
Temp	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC	0xF840 0x00024B48 0x4B48 0x17A0
	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR	0xF840 0x00024B48 0x4B48
Temp Trect	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature	0xF840 0x00024B48 0x4B48 0x17A0
	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label:	0xF840 0x00024B48 0x4B48 0x17A0 0x1140
	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT	0xF840 0x00024B48 0x4B48 0x17A0
	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT Observed Value:	0xF840 0x00024B48 0x4B48 0x17A0 0x1140 0x0002E004
	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT	0xF840 0x00024B48 0x4B48 0x17A0 0x1140
	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT Observed Value: NOM_TEMP_RECT Units:	0xF840 0x00024B48 0x4B48 0x17A0 0x1140 0x0002E004
	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT Observed Value: NOM_TEMP_RECT Units: NOM_DIM_DEGC	0xF840 0x00024B48 0x4B48 0x17A0 0x1140 0x0002E004 0xE004
	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT Observed Value: NOM_TEMP_RECT Units:	0xF840 0x00024B48 0x4B48 0x17A0 0x1140 0x0002E004 0xE004 0x17A0
Trect	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT Observed Value: NOM_TEMP_RECT Units: NOM_DIM_DEGC NOM_DIM_TEMP_RECT Units: NOM_TEMP_RECT Units: NOM_DIM_DEGC NOM_DIM_DEGC NOM_DIM_DEGC NOM_DIM_DEGC	0xF840 0x00024B48 0x4B48 0x17A0 0x1140 0x0002E004 0xE004 0x17A0
Trect	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT Observed Value: NOM_TEMP_RECT Units: NOM_DIM_DEGC NOM_TEMP_RECT Units: NOM_DIM_DEGC NOM_DIM_DEGC NOM_DIM_DEGC NOM_DIM_DEGC NOM_DIM_DEGC NOM_DIM_DEGC NOM_DIM_FAHR Tblood Label:	0xF840 0x00024B48 0x4B48 0x17A0 0x1140 0x0002E004 0xE004 0x17A0
Trect	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT Observed Value: NOM_TEMP_RECT Units: NOM_DIM_DEGC NOM_DIM_FAHR Tblood	0xF840 0x00024B48 0x4B48 0x17A0 0x1140 0x0002E004 0xE004 0x17A0 0x1140
Trect	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT Observed Value: NOM_TEMP_RECT Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT Units: NOM_TEMP_RECT Units: NOM_DIM_DEGC NOM_DIM_FAHR Tblood Label: NLS_NOM_TEMP_BLD	0xF840 0x00024B48 0x4B48 0x17A0 0x1140 0x0002E004 0xE004 0x17A0 0x1140
Trect	Observed Value: NOM_EEG_BURST_SUPPRN_INDEX Unspecific Temperature Label: NLS_NOM_TEMP Observed Value: NOM_TEMP Units: NOM_DIM_DEGC NOM_DIM_FAHR Rectal Temperature Label: NLS_NOM_TEMP_RECT Observed Value: NOM_TEMP_RECT Units: NOM_DIM_DEGC NOM_DIM_FAHR Tblood Label: NLS_NOM_TEMP_BLD Observed Value:	0xF840 0x00024B48 0x4B48 0x17A0 0x1140 0x0002E004 0xE004 0x17A0 0x1140 0x0002E014

Tcore	NOM_DIM_DEGC NOM_DIM_FAHR Core (Body) Temperature	0x17A0 0x1140
icore	Label: NLS NOM TEMP CORE	0x00024B60
	Observed Value: NOM_TEMP_CORE	0x4B60
	Units: NOM_DIM_DEGC NOM_DIM_FAHR	0x17A0 0x1140
Tskin	Skin Temperature Label:	
	NLS_NOM_TEMP_SKIN Observed Value: NOM_TEMP_SKIN	0x00024B74 0x4B74
	Units: NOM_DIM_DEGC	0x17A0
Tesoph	NOM_DIM_FAHR Esophagial Temperature	0x1140
	Label: NLS_NOM_TEMP_ESOPH Observed Value:	0x00024B64
	NOM_TEMP_ESOPH Units:	0x4B64
Tnaso	NOM_DIM_DEGC NOM_DIM_FAHR Naso pharyngial Temperature	0x17A0 0x1140
111000	Label: NLS_NOM_TEMP_NASOPH	0x00024B6C
	Observed Value: NOM_TEMP_NASOPH Units:	0x4B6C
	NOM_DIM_DEGC NOM_DIM_FAHR	0x17A0 0x1140
Tart	Areterial Temperature Label: NLS NOM TEMP ART	0x00024B50
	Observed Value: NOM_TEMP_ART	0x4B50
	Units: NOM_DIM_DEGC	0x17A0
Tven	NOM_DIM_FAHR Venous Temperature Label:	0x1140
	NLS_NOM_TEMP_VEN Observed Value:	0x00024B7C
	NOM_TEMP_VEN Units: NOM DIM DEGC	0x4B7C 0x17A0
Tvesic	NOM_DIM_FAHR Temperature of the Urine fluid	0x1140
	Label: NLS_NOM_TEMP_VESICAL Observed Value:	0x0002F0C4
Ttymp	NOM_TEMP_VESICAL Tympanic Temperature	0xF0C4
	Label: NLS_NOM_TEMP_TYMP Observed Value:	0x00024B78
	NOM_TEMP_TYMP Units:	0x4B78
Tcereb	NOM_DIM_DEGC NOM_DIM_FAHR Cerebral Temperature	0x17A0 0x1140
	Label:	

	NLS NOM TEMP CEREBRAL	0x0002F0C5
	Observed Value:	01100021003
	NOM_TEMP_CEREBRAL	0xF0C5
	Units:	
	NOM_DIM_DEGC	0x17A0
Tamb	NOM_DIM_FAHR Ambient Temperature	0x1140
Tana	Label:	
	NLS_NOM_TEMP_AMBIENT	0x0002F0C6
	Observed Value:	
	NOM_TEMP_AMBIENT	0xF0C6
	Units:	0x17A0
	NOM_DIM_DEGC NOM DIM FAHR	0x17A0 0x1140
Tairwy	Airway Temperature	UNITIO
1	Label:	
	NLS_NOM_TEMP_AWAY	0x00024B54
	Observed Value:	
	NOM_TEMP_AWAY	0x4B54
	Units:	01770
	NOM_DIM_DEGC NOM DIM FAHR	0x17A0 0x1140
Tinj	Injectate Temperature	OXII40
	Label:	
	NLS_NOM_TEMP_INJ	0x00024B68
	Observed Value:	
	NOM_TEMP_INJ	0x4B68
T1Core	Core Temperature 1 (generic)	
	Label: NLS NOM TEMP CORE GEN 1	0x0002F966
	Observed Value:	01100021300
	NOM_TEMP_CORE_GEN_1	0xF966
	Units:	
	NOM_DIM_DEGC	0x17A0
E O G	NOM_DIM_FAHR	0x1140
T2Core	Core Temperature 2 (generic) Label:	
	NLS_NOM_TEMP_CORE_GEN_2	0x0002F967
	Observed Value:	
	NOM_TEMP_CORE_GEN_2	0xF967
	Units:	
	NOM_DIM_DEGC	0x17A0
Dol+amomn	NOM_DIM_FAHR	0x1140
DeltaTemp	Difference Temperature Label:	
	NLS NOM TEMP DIFF	0x0002E018
	Observed Value:	
	NOM_TEMP_DIFF	0xE018
	Units:	
	NOM_DIM_DEGC NOM DIM FAHR	0x17A0 0x1140
Tbody	Patient Temperature	OXII40
12047	Label:	
	NLS_NOM_TEMP_BODY	0x00024B5C
	Observed Value:	
	NOM_TEMP	0x4B48
	Units:	01770
	NOM_DIM_DEGC	0x17A0 0x1140
pTrect		0x17A0 0x1140
pTrect	NOM_DIM_DEGC NOM_DIM_FAHR	
pTrect	NOM_DIM_DEGC NOM_DIM_FAHR Predictive Rectal Temperature Label: NLS_NOM_TEMP_RECT_PRED	
pTrect	NOM_DIM_DEGC NOM_DIM_FAHR Predictive Rectal Temperature Label: NLS_NOM_TEMP_RECT_PRED Observed Value:	0x1140 0x0002F114
pTrect	NOM_DIM_DEGC NOM_DIM_FAHR Predictive Rectal Temperature Label: NLS_NOM_TEMP_RECT_PRED	0x1140

	NOM_DIM_DEGC NOM_DIM_FAHR	0x17A0 0x1140
pToral	Predictive Oral Temperature	
	Label:	000008110
	NLS_NOM_TEMP_ORAL_PRED Observed Value:	0x0002F110
	NOM_TEMP_ORAL_PRED Units:	0xF110
	NOM_DIM_DEGC	0x17A0
	NOM_DIM_FAHR	0x1140
pTaxil	Predictive Axillary Temperature	
	Label:	0x0002F118
	NLS_NOM_TEMP_AXIL_PRED Observed Value:	0X0002F116
	NOM TEMP AXIL PRED	0xF118
	Units:	
	NOM_DIM_DEGC	0x17A0
	NOM_DIM_FAHR	0x1140
T1	Generic Temperature 1 (T1) Label:	
	NLS NOM TEMP GEN 1	0x0002F0C7
	Observed Value:	
	NOM_TEMP_GEN_1	0xF0C7
	Units:	
	NOM_DIM_DEGC	0x17A0
Т2	NOM_DIM_FAHR Generic Temperature 2 (T2)	0x1140
12	Label:	
	NLS NOM TEMP GEN 2	0x0002F0C8
	Observed Value:	
	NOM_TEMP_GEN_2	0xF0C8
	Units:	01570
	NOM_DIM_DEGC NOM_DIM_FAHR	0x17A0 0x1140
Т3	Generic Temperature 3 (T3)	OXIIIO
	Label:	
	NLS_NOM_TEMP_GEN_3	0x0002F0C9
	Observed Value:	0
	NOM_TEMP_GEN_3 Units:	0xF0C9
	NOM DIM DEGC	0x17A0
	NOM DIM FAHR	0x1140
T4	Generic Temperature 4 (T4)	
	Label:	
	NLS_NOM_TEMP_GEN_4	0x0002F0CA
	Observed Value: NOM TEMP GEN 4	0xF0CA
	Units:	UXFUCA
	NOM_DIM_DEGC	0x17A0
	NOM_DIM_FAHR	0x1140
N2	generic N2 label	
	Label:	0*00025270
	NLS_NOM_CONC_AWAY_N2 Observed Value (from VueLink):	0x0002537C
	NOM CONC AWAY N2	0x537C
	Compound Observed Value:	
	NOM_CONC_AWAY_N2_ET	0x5380
	NOM_CONC_AWAY_N2_INSP	0x5384
	Units: NOM DIM MMHG	0x0F20
	NOM_DIM_MMHG NOM_DIM_PERCENT	0x0F20 0x0220
	NOM_DIM_KILO_PASCAL	0x0F03
N20	generic Nitrous Oxide label	
	Label:	
	NLS_NOM_CONC_AWAY_N2O	0x000251F0

	Observed Value (from VueLink):	
	NOM_CONC_AWAY_N2O	0x51F0
	Compound Observed Value:	
	NOM_CONC_AWAY_N2O_ET	0x522C
	NOM_CONC_AWAY_N2O_INSP	0x5280
	Units:	00800
	NOM_DIM_MMHG	0x0F20 0x0220
	NOM_DIM_PERCENT NOM DIM KILO PASCAL	0x0220 0x0F03
ISO	generic Isoflurane label	020103
150	Label:	
	NLS NOM CONC AWAY ISOFL	0x000251E8
	Observed Value (from VueLink):	
	NOM_CONC_AWAY_ISOFL	0x51E8
	Compound Observed Value:	
	NOM_CONC_AWAY_ISOFL_ET	0x5224
	NOM_CONC_AWAY_ISOFL_INSP	0x5278
	Units:	
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_PERCENT	0x0220
SEV	NOM_DIM_KILO_PASCAL qeneric Sevoflurane label	0x0F03
SEV	Label:	
	NLS NOM CONC AWAY SEVOFL	0x000251E4
	Observed Value (from VueLink):	
	NOM CONC AWAY SEVOFL	0x51E4
	Compound Observed Value:	
	NOM_CONC_AWAY_SEVOFL_ET	0x5220
	NOM_CONC_AWAY_SEVOFL_INSP	0x5274
	Units:	
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_PERCENT	0x0220
ENF	NOM_DIM_KILO_PASCAL generic Enflurane label	0x0F03
ENF	Label:	
	NLS NOM CONC AWAY ENFL	0x000251DC
	Observed Value (from VueLink):	
	NOM CONC AWAY ENFL	0x51DC
	Compound Observed Value:	
	NOM_CONC_AWAY_ENFL_ET	0x5218
	NOM_CONC_AWAY_ENFL_INSP	0x526C
	Units:	
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_PERCENT	0x0220
HAL	NOM_DIM_KILO_PASCAL qeneric Halothane label	0x0F03
IIALI	Label:	
	NLS NOM CONC AWAY HALOTH	0x000251E0
	Observed Value (from VueLink):	
	NOM_CONC_AWAY_HALOTH	0x51E0
	Compound Observed Value:	
	NOM_CONC_AWAY_HALOTH_ET	0x521C
	NOM_CONC_AWAY_HALOTH_INSP	0x5270
	Units:	
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_PERCENT	0x0220
DES	NOM_DIM_KILO_PASCAL generic Desflurane label	0x0F03
DES	Label:	
	NLS NOM CONC AWAY DESFL	0x000251D8
	Observed Value (from VueLink):	
	NOM_CONC_AWAY_DESFL	0x51D8
	Compound Observed Value:	
	NOM_CONC_AWAY_DESFL_ET	0x5214
	NOM_CONC_AWAY_DESFL_INSP	0x5268

	Units:	
	NOM DIM MMHG	0x0F20
	NOM DIM PERCENT	0x0220
	NOM DIM KILO PASCAL	0x0F03
AGT	generic Agent label	
	Label:	
	NLS_NOM_CONC_AWAY_AGENT	0x00025388
	Observed Value (from VueLink):	
	NOM_CONC_AWAY_AGENT	0x5388
	Compound Observed Value:	
	NOM_CONC_AWAY_AGENT_ET	0x538C
	Units:	
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_PERCENT	0x0220
7 CIII	NOM_DIM_KILO_PASCAL	0x0F03
inAGT	Generic Inspired Agent Concentration Label:	
	NLS NOM CONC AWAY AGENT INSP	0x00025390
	Observed Value:	0.000023330
	NOM CONC AWAY AGENT INSP	0x5390
	Units:	0113330
	NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F03
	NOM DIM PERCENT	0x0220
AGT1	generic Agent1 label	
	Label:	
	NLS_GASES_NAMES_CONC_AWAY_AGENT1	0x805A5401
	Compound Observed Value:	
	NOM_CONC_AWAY_AGENT_ET	0x538C
	NOM_CONC_AWAY_AGENT_INSP	0x5390
	Units:	
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_PERCENT	0x0220
	NOM_DIM_KILO_PASCAL	0x0F03
AGT2	generic Agent2 label	
	Label:	
	NLS_GASES_NAMES_CONC_AWAY_AGENT2	0x805A5402
	Compound Observed Value:	05200
	NOM_CONC_AWAY_AGENT_ET NOM CONC AWAY AGENT INSP	0x538C 0x5390
	Nom_conc_Awar_agenr_insp Units:	0X5390
	NOM DIM MMHG	0x0F20
	NOM DIM PERCENT	0x0220
	NOM DIM KILO PASCAL	0x0F03
MAC	Minimum Alveolar Concentration	01101 03
	Label:	
	NLS NOM CONC AWAY MAC	0x0002F099
	Observed Value:	
	NOM CONC AWAY MAC	0xF099
MAC	Airway MAC Concentration	
	Label:	
	NLS_NOM_CONC_AWAY_SUM_MAC	0x0002F05D
	Compound Observed Value:	
	NOM_CONC_AWAY_SUM_MAC_ET	0xF05E
	NOM_CONC_AWAY_SUM_MAC_INSP	0xF05F
SVR	Systemic Vascular Resistance	
	Label:	
	NLS_NOM_RES_VASC_SYS	0x00024B28
	Observed Value:	
	NOM_RES_VASC_SYS	0x4B28
	Units:	01000
CVDT	NOM_DIM_X_DYNE_PER_SEC_PER_CM5	0x1020
SVRI	Systemic Vascular Resistance Index	
	Label:	0x00024900
	NLS_NOM_RES_VASC_SYS_INDEX	0200024300

	Observed Value:	
	NOM_RES_VASC_SYS_INDEX	0x4900
LVSW	Left Ventricular Stroke Volume Label:	
	NLS_NOM_WK_LV_STROKE	0x00024B9C
	Observed Value:	
LVSWI	NOM_WK_LV_STROKE Left Ventricular Stroke Volume Index	0x4B9C
LVSWI	Label:	
	NLS_NOM_WK_LV_STROKE_INDEX	0x00024904
	Observed Value: NOM WK LV STROKE INDEX	0x4904
RVSW	Right Ventricular Stroke Volume	024704
	Label:	
	NLS_NOM_WK_RV_STROKE Observed Value:	0x00024BA4
	NOM WK RV STROKE	0x4BA4
RVSWI	Right Ventricular Stroke Work Index	
	Label:	0x00024908
	NLS_NOM_WK_RV_STROKE_INDEX Observed Value:	0X00024908
	NOM_WK_RV_STROKE_INDEX	0x4908
PVR	Pulmonary vascular Resistance	
	Label: NLS NOM RES VASC PULM	0x00024B24
	Observed Value:	
DIADT	NOM_RES_VASC_PULM	0x4B24
PVRI	Pulmonary vascular Resistance PVRI Label:	
	NLS_NOM_RES_VASC_PULM_INDEX	0x0002F067
	Observed Value:	0
LCW	NOM_RES_VASC_PULM_INDEX Left Cardiac Work	0xF067
	Label:	
	NLS_NOM_WK_CARD_LEFT	0x00024B90
	Observed Value: NOM WK CARD LEFT	0x4B90
LCWI	Left Cardiac Work Index	
	Label:	00000000000
	NLS_NOM_WK_CARD_LEFT_INDEX Observed Value:	0x0002F068
	NOM_WK_CARD_LEFT_INDEX	0xF068
RCW	Right Cardiac Work	
	Label: NLS NOM WK CARD RIGHT	0x00024B94
	Observed Value:	
D CIVIT	NOM_WK_CARD_RIGHT Right Cardiac Work Index	0x4B94
RCWI	Label:	
	NLS_NOM_WK_CARD_RIGHT_INDEX	0x0002F069
	Observed Value:	0
VO2	NOM_WK_CARD_RIGHT_INDEX Oxygen Consumption VO2	0xF069
	Label:	
	NLS_NOM_SAT_O2_CONSUMP	0x00024B00
	Observed Value: NOM SAT O2 CONSUMP	0x4B00
GCS	Glasgow Coma Score	
	Label:	000005000
	NLS_NOM_SCORE_GLAS_COMA Observed Value:	0x00025880
	NOM_SCORE_GLAS_COMA	0x5880
	Units:	00000
EyeRsp	NOM_DIM_DIMLESS SubScore of the GCS: Eye Response	0x0200
-1P		

	Label:	
	NLS NOM SCORE EYE SUBSC GLAS COMA	0x00025882
	Observed Value:	
	NOM_SCORE_EYE_SUBSC_GLAS_COMA	0x5882
MotRsp	SubScore of the GCS: Motoric Response Label:	
	NLS NOM SCORE MOTOR SUBSC GLAS COMA	0x00025883
	Observed Value:	
*** 3.5	NOM_SCORE_MOTOR_SUBSC_GLAS_COMA	0x5883
VblRsp	SubScore of the GCS: Verbal Response Label:	
	NLS_NOM_SCORE_SUBSC_VERBAL_GLAS_COMA	0x00025884
	Observed Value:	
НC	NOM_SCORE_SUBSC_VERBAL_GLAS_COMA Head Circumferince	0x5884
нс	Label:	
	NLS_NOM_CIRCUM_HEAD	0x00025900
	Observed Value:	
PRL	NOM_CIRCUM_HEAD Pupil Reaction Left eye - light reaction of left eye's pupil	0x5900
FKH	Label:	L
	NLS_NOM_TIME_PD_PUPIL_REACT_LEFT	0x00025924
	Observed Value:	
PRR	NOM_TIME_PD_PUPIL_REACT_LEFT Pupil Reaction Righteye - light reaction of right eye's pup:	0x5924
1100	Label:	
	NLS_NOM_TIME_PD_PUPIL_REACT_RIGHT	0x00025928
	Observed Value:	05000
рНа	NOM_TIME_PD_PUPIL_REACT_RIGHT pH in arterial Blood	0x5928
F	Label:	
	NLS_NOM_CONC_PH_ART	0x00027004
	Observed Value: NOM CONC PH ART	0x7004
PaCO2	Partial Pressure of arterial Carbon Dioxide	027004
	Label:	
	NLS_NOM_CONC_PCO2_ART	0x00027008
	Observed Value: NOM CONC PCO2 ART	0x7008
PaO2	Partial O2 arterial	0117000
	Label:	
	NLS_NOM_CONC_PO2_ART	0x0002700C
	Observed Value: NOM CONC PO2 ART	0x700C
Hb	Hemoglobin in arterial Blood	
	Label:	
	NLS_NOM_CONC_HB_ART Observed Value:	0x00027014
	NOM CONC HB ART	0x7014
CaO2	Arterial Oxygen Content CaO2	
	Label:	000007010
	NLS_NOM_CONC_HB_02_ART Observed Value:	0x00027018
	NOM_CONC_HB_O2_ART	0x7018
pHv	pH in venous Blood	
	Label: NLS NOM CONC PH VEN	0x00027034
	Observed Value:	01100027031
	NOM_CONC_PH_VEN	0x7034
PvCO2	Partial CO2 in the venous blood	
	Label: NLS NOM CONC PCO2 VEN	0x00027038
	Observed Value:	2222222
	NOM_CONC_PCO2_VEN	0x7038
PvO2	Partial O2 Venous	

	Label:	
	NLS NOM CONC PO2 VEN	0x0002703C
	Observed Value:	
	NOM_CONC_PO2_VEN	0x703C
Cv02	Venous Oxygen Content	
	Label:	
	NLS_NOM_CONC_HB_O2_VEN	0x00027048
	Observed Value: NOM_CONC_HB_O2_VEN	0x7048
UrNa	Natrium in Urine	0A7040
	Label:	
	NLS_NOM_CONC_NA_URINE	0x0002706C
	Observed Value:	
	NOM_CONC_NA_URINE	0x706C
SerNa	Natrium in Serum	
	Label:	000007000
	NLS_NOM_CONC_NA_SERUM Observed Value:	0x000270D8
	NOM CONC NA SERUM	0x70D8
рН	pH in the Blood Plasma	
	Label:	
	NLS_NOM_CONC_PH_GEN	0x00027104
	Observed Value:	
HCO2	NOM_CONC_PH_GEN	0x7104
HCO3	Hydrocarbon concentration in Blood Plasma Label:	
	NLS NOM CONC HCO3 GEN	0x00027108
	Observed Value:	
	NOM_CONC_HCO3_GEN	0x7108
Na	Natrium (Sodium)	
	Label:	
	NLS_NOM_CONC_NA_GEN	0x0002710C
	Observed Value: NOM CONC NA GEN	0x710C
K	Kalium (Potassium)	02/100
	Label:	
	NLS_NOM_CONC_K_GEN	0x00027110
	Observed Value:	
	NOM_CONC_K_GEN	0x7110
Glu	Glucose	
	Label: NLS NOM CONC GLU GEN	0x00027114
	Observed Value:	0X00027114
	NOM CONC GLU GEN	0x7114
PCO2	Partial CO2	
	Label:	
	NLS_NOM_CONC_PCO2_GEN	0x00027140
	Observed Value:	08140
PO2	NOM_CONC_PCO2_GEN Partial O2.	0x7140
PO2	Label:	
	NLS NOM CONC PO2 GEN	0x00027174
	Observed Value:	
	NOM_CONC_PO2_GEN	0x7174
Hct	Haematocrit	
	Label:	
	NLS_NOM_CONC_HCT_GEN Observed Value:	0x00027184
	NOM CONC HCT GEN	0x7184
BE	Base Excess of Blood	J21, 104
	Label:	
	NLS_NOM_BASE_EXCESS_BLD_ART	0x0002716C
	Observed Value:	
T700 T	NOM_BASE_EXCESS_BLD_ART	0x716C
VO2I	Oxygen Consumption Index VO2I	

	Label:	
	NLS_NOM_SAT_02_CONSUMP_INDEX	0x0002F06A
	Observed Value:	0 7063
PB	NOM_SAT_02_CONSUMP_INDEX Barometric Pressure = Ambient Pressure	0xF06A
РВ	Label:	
	NLS NOM PRESS AIR AMBIENT	0x0002F06B
	Observed Value:	
	NOM_PRESS_AIR_AMBIENT	0xF06B
InjVol	Injectate Volume (Cardiac Output)	
	Label:	0000000000
	NLS_NOM_VOL_INJ Observed Value:	0x0002F079
	NOM VOL INJ	0xF079
ETVI	ExtraVascular Thermo Volume Index. Cardiac Output.	
	Label:	
	NLS_NOM_VOL_THERMO_EXTRA_VASC_INDEX	0x0002F07A
	Observed Value:	
Gamma Gh	NOM_VOL_THERMO_EXTRA_VASC_INDEX	0xF07A
CompCt	Generic Numeric Calculation Constant Label:	
	NLS NOM NUM CALC CONST	0x0002F07B
	Observed Value:	
	NOM_METRIC_NOS	0xEFFF
Cl	Chloride	
	Label:	0,,00007160
	NLS_NOM_CONC_CHLORIDE_GEN Observed Value:	0x00027168
	NOM CONC CHLORIDE GEN	0x7168
BUN	Blood Urea Nitrogen	
	Label:	
	NLS_NOM_CONC_BLD_UREA_NITROGEN	0x0002F08F
	Observed Value: NOM_CONC_BLD_UREA_NITROGEN	0xF08F
	1011_00110_DDD_011DD1_1111100DD1	0111 001
	Units:	
	Units: NOM_DIM_MILLI_G_PER_DL	0x0852
	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L	0x0852 0x1272
BEecf	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid	
BEecf	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label:	0x1272
BEecf	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF	
BEecf	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label:	0x1272
BEecf Ca-vO2	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value:	0x1272 0x0002F090
	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label:	0x1272 0x0002F090 0xF090
	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN	0x1272 0x0002F090
	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value:	0x1272 0x0002F090 0xF090 0x0002F092
	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN	0x1272 0x0002F090 0xF090
Ca-vO2	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN	0x1272 0x0002F090 0xF090 0x0002F092
Ca-vO2	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST	0x1272 0x0002F090 0xF090 0x0002F092
Ca-vO2	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value:	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0x0002F07C
Ca-vO2 CathCt	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value: NOM_NUM_CATHETER_CONST	0x1272 0x0002F090 0xF090 0x0002F092 0xF092
Ca-vO2	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value:	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0x0002F07C
Ca-vO2 CathCt	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value: NOM_NUM_CATHETER_CONST Body Surface Area	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0x0002F07C
Ca-vO2 CathCt	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value: NOM_NUM_CATHETER_CONST Body Surface Area Label: NLS_NOM_AREA_BODY_SURFACE Observed Value:	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0xF07C 0xF07C
Ca-vO2 CathCt	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value: NOM_NUM_CATHETER_CONST Body Surface Area Label: NLS_NOM_AREA_BODY_SURFACE Observed Value: NOM_AREA_BODY_SURFACE	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0x0002F07C 0xF07C
Ca-vO2 CathCt	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value: NOM_NUM_CATHETER_CONST Body Surface Area Label: NLS_NOM_AREA_BODY_SURFACE Observed Value: NOM_AREA_BODY_SURFACE Units:	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0xF07C 0xF07C
Ca-vO2 CathCt	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value: NOM_NUM_CATHETER_CONST Body Surface Area Label: NLS_NOM_AREA_BODY_SURFACE Observed Value: NOM_AREA_BODY_SURFACE Units: NOM_DIM_M_SQ	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0xF07C 0xF07C
Ca-vO2 CathCt	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value: NOM_NUM_CATHETER_CONST Body Surface Area Label: NLS_NOM_AREA_BODY_SURFACE Observed Value: NOM_AREA_BODY_SURFACE Units:	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0xF07C 0xF07C 0xF07C 0xF07C
Ca-vO2 CathCt	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value: NOM_NUM_CATHETER_CONST Body Surface Area Label: NLS_NOM_AREA_BODY_SURFACE Observed Value: NOM_AREA_BODY_SURFACE Units: NOM_DIM_M_SQ NOM_DIM_M_SQ Patient Weight Label:	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0xF07C 0xF07C 0xF07C 0xF07C
Ca-vO2 CathCt	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value: NOM_NUM_CATHETER_CONST Body Surface Area Label: NLS_NOM_AREA_BODY_SURFACE Units: NOM_DIM_M_SQ NOM_DIM_M_SQ NOM_DIM_IN_SQ Patient Weight Label: NLS_NOM_PAT_WEIGHT	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0xF07C 0xF07C 0xF07C 0xF07C
Ca-vO2 CathCt	NOM_DIM_MILLI_G_PER_DL NOM_DIM_MILLI_MOLE_PER_L Base Excess of Extra-Cellular Fluid Label: NLS_NOM_CONC_BASE_EXCESS_ECF Observed Value: NOM_CONC_BASE_EXCESS_ECF Arteriovenous Oxygen Difference Ca-vO2 Label: NLS_NOM_CONC_DIFF_HB_O2_ATR_VEN Observed Value: NOM_CONC_DIFF_HB_O2_ATR_VEN Generic Numeric Calculation Constant Label: NLS_NOM_NUM_CATHETER_CONST Observed Value: NOM_NUM_CATHETER_CONST Body Surface Area Label: NLS_NOM_AREA_BODY_SURFACE Observed Value: NOM_AREA_BODY_SURFACE Units: NOM_DIM_M_SQ NOM_DIM_M_SQ Patient Weight Label:	0x1272 0x0002F090 0xF090 0x0002F092 0xF092 0xF07C 0xF07C 0xF07C 0xF07C

	Units:	
	NOM DIM KG	0x06C3
	NOM DIM LB	0x0000
	NOM DIM KG	0x0000
Height	Patient Height	
	Label:	
	NLS_NOM_PAT_HEIGHT	0x0002F094
	Observed Value:	
	NOM_PAT_HEIGHT	0xF094
P5	Generic Pressure 5 (P5)	
	Label:	0000000000
	NLS_NOM_PRESS_GEN_5	0x0002F3F4
	Observed Value (from VueLink):	0xF3F4
	NOM_PRESS_GEN_5 Compound Observed Value:	41C1X0
	NOM PRESS GEN 5 SYS	0xF3F5
	NOM PRESS GEN 5 DIA	0xF3F6
	NOM PRESS GEN 5 MEAN	0xF3F7
	Units:	
	NOM DIM MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
P6	Generic Pressure 6 (P6)	
	Label:	
	NLS_NOM_PRESS_GEN_6	0x0002F3F8
	Observed Value (from VueLink):	
	NOM_PRESS_GEN_6	0xF3F8
	Compound Observed Value:	
	NOM_PRESS_GEN_6_SYS	0xF3F9
	NOM_PRESS_GEN_6_DIA NOM_PRESS_GEN_6_MEAN	0xF3FA 0xF3FB
	Units:	DACTAD
	NOM DIM MMHG	0x0F20
	NOM DIM KILO PASCAL	0x0F03
P7	Generic Pressure 7 (P7)	
	Label:	
	NLS_NOM_PRESS_GEN_7	0x0002F3FC
	Observed Value (from VueLink):	
	NOM_PRESS_GEN_7	0xF3FC
	Compound Observed Value:	
	NOM_PRESS_GEN_7_SYS	0xF3FD
	NOM_PRESS_GEN_7	0xF3FC
	NOM_PRESS_GEN_7_MEAN	0xF3FF
	Units:	00500
	NOM_DIM_MMHG NOM_DIM_KILO_PASCAL	0x0F20 0x0F03
P8	Generic Pressure 8 (P8)	0.00000
10	Label:	
	NLS NOM PRESS GEN 8	0x0002F400
	Observed Value (from VueLink):	
	NOM_PRESS_GEN_8	0xF400
	Compound Observed Value:	
	NOM_PRESS_GEN_8_SYS	0xF401
	NOM_PRESS_GEN_8_DIA	0xF402
	NOM_PRESS_GEN_8_MEAN	0xF403
	Units:	
	NOM_DIM_MMHG	0x0F20
D.T.T. /	NOM_DIM_KILO_PASCAL	0x0F03
BUN/cr	BUN Creatinine Ratio	
	Label:	0**0000E00E
	NLS_NOM_RATIO_BUN_CREA Observed Value:	0x0002F88F
	NOM RATIO BUN CREA	0xF88F
	Units:	OALOOF
	NOM DIM DIMLESS	0x0200
TFC	Thoracic Fluid Content	

	Label:	
	NLS NOM VOL FLUID THORAC	0x0002F8C5
	Observed Value:	
	NOM_VOL_FLUID_THORAC	0xF8C5
TFI	Thoracic Fluid Content Index	
	Label:	
	NLS_NOM_VOL_FLUID_THORAC_INDEX	0x0002F8C6
	Observed Value: NOM VOL FLUID THORAC INDEX	0xF8C6
ACI	Accelerated Cardiac Index	UAFOCO
1101	Label:	
	NLS_NOM_OUTPUT_CARD_INDEX_ACCEL	0x0002F889
	Observed Value:	
	NOM_OUTPUT_CARD_INDEX_ACCEL	0xF889
HI	Heart Contractility Index	
	Label:	000000001010
	NLS_NOM_CARD_CONTRACT_HEATHER_INDEX Observed Value:	0x0002F81C
	NOM CARD CONTRACT HEATHER INDEX	0xF81C
CH2O	Free Water Clearance	
	Label:	
	NLS_NOM_FREE_WATER_CLR	0x0002F884
	Observed Value:	
GO	NOM_FREE_WATER_CLR	0xF884
COsm	Osmolar Clearance Label:	
	NLS NOM CREA OSM	0x0002F83F
	Observed Value:	
	NOM_CREA_OSM	0xF83F
CreaCl	Creatinine Clearance	
	Label:	
	NLS_NOM_CONC_CREA_CLR	0x0002F16C
	Observed Value: NOM CONC CREA CLR	0xF16C
FeNa	Fractional Excretion of Sodium	UXFIC
1 CIVA	Label:	
	NLS_NOM_FRACT_EXCR_NA	0x0002F194
	Observed Value:	
	NOM_FRACT_EXCR_NA	0xF194
VMI	Intermittent Mandatory Ventilation	
	Label: NLS NOM VENT MODE MAND INTERMIT	0x0002D02A
	Observed Value:	UXUUUZDUZA
	NOM VENT MODE MAND INTERMIT	0xD02A
PlOsm	Plasma Osmolarity	
	Label:	
	NLS_NOM_PLASMA_OSM	0x0002F16B
	Observed Value:	0E1 CD
SCrea	NOM_PLASMA_OSM Serum Creatinine	0xF16B
SCIEA	Label:	
	NLS NOM CONC CREA SER	0x0002F827
	Observed Value:	
	NOM_CONC_CREA_SER	0xF827
U/POsm	Urine Plasma Osmolarity Ratio	
	Label:	00000 000
	NLS_NOM_RATIO_URINE_SER_OSM Observed Value:	0x0002F898
	NOM RATIO URINE SER OSM	0xF898
U/SCr	Urine Serum Creatinine Ratio	
	Label:	
	NLS_NOM_RATIO_CONC_URINE_CREA_SER	0x0002F892
	Observed Value:	
UrCrea	NOM_RATIO_CONC_URINE_CREA_SER Urine Creatinine	0xF892

	Label:	
	NLS NOM CONC CREA URINE	0x0002F196
	Observed Value:	
	NOM_CONC_CREA_URINE	0xF196
UrK	Urine Potassium	
	Label:	0000000107
	NLS_NOM_CONC_K_URINE Observed Value:	0x0002F197
	NOM CONC K URINE	0xF197
UrKEx	Urinary Potassium Excretion	0111 15 /
	Label:	
	NLS_NOM_CONC_K_URINE_EXCR	0x0002F198
	Observed Value:	
/	NOM_CONC_K_URINE_EXCR	0xF198
UrNa/K	Urine Sodium/Potassium Ratio Label:	
	NLS_NOM_RATIO_CONC_URINE_NA_K	0x0002F893
	Observed Value:	01100021033
	NOM_RATIO_CONC_URINE_NA_K	0xF893
UrNaEx	Urine Sodium Excretion	
	Label:	
	NLS_NOM_CONC_NA_EXCR	0x0002F830
	Observed Value: NOM CONC NA EXCR	0xF830
UrOsm	Urine Osmolarity	UXF030
0102	Label:	
	NLS_NOM_CONC_OSM_URINE	0x0002F199
	Observed Value:	
	NOM_CONC_OSM_URINE	0xF199
UrVol	Urine Volume	
	Label: NLS NOM VOL URINE BAL PD	0x00026824
	Observed Value:	01100020021
	NOM_VOL_URINE_BAL_PD	0x6824
NsLoss	Nitrogen Balance	
	Label:	
	NLS_NOM_NSLOSS Observed Value:	0x0002F16D
	NOM NSLOSS	0xF16D
	Units:	0111 102
	NOM_DIM_PERCENT	0x0220
Length	Length for neonatal/pediatric	
	Label:	
	NLS_NOM_BIRTH_LENGTH Observed Value:	0x0002F818
	NOM BIRTH LENGTH	0xF818
G.Age	Gestational age for neonatal	011 010
3	Label:	
	NLS_NOM_AGE_GEST	0x0002F811
	Observed Value:	
DGA (D)	NOM_AGE_GEST BSA formula: Boyd	0xF811
BSA(B)	Label:	
	NLS NOM AREA BODY SURFACE ACTUAL BOYD	0x0002F812
	Observed Value:	
	NOM_AREA_BODY_SURFACE	0xF071
	Units:	
	NOM_DIM_M_SQ	0x05C0
DCV(D)	NOM_DIM_IN_SQ BSA formula: Dubois	0x0000
BSA(D)	Label:	
	NLS NOM AREA BODY SURFACE ACTUAL DUBOIS	0x0002F813
	Observed Value:	
	NOM_AREA_BODY_SURFACE	0xF071
	Units:	

	NOM_DIM_M_SQ	0x05c0
PVcP	NOM_DIM_IN_SQ Pressure Ventilation Control Pressure	0x0000
	Label: NLS_NOM_VENT_PRESS_AWAY_PV	0x0002F8BC
	Observed Value: NOM_VENT_PRESS_AWAY_PV	0xF8BC
Rdyn	Dynamic Lung Resistance Label:	
	NLS_NOM_RES_AWAY_DYN Compound Observed Values:	0x0002F899
Datat	NOM_RES_AWAY_DYN_INSP NOM_RES_AWAY_DYN_EXP Dynamic Lung Resistance	0xFB81 0xFB82
Rstat	Label: NLS NOM RES AWAY STAT	0x0002FB94
	Observed Value: NOM RES AWAY STAT	0xFB94
NgInsP	Negative Inspiratory Pressure Label:	
	NLS_NOM_PRESS_AWAY_NEG_MAX Observed Value:	0x000250F9
SpPkFl	NOM_PRESS_AWAY_NEG_MAX Spontaneous Peak Flow	0x50F9
	Label: NLS_NOM_FLOW_AWAY_MAX_SPONT	0x0002F87D
	Observed Value: NOM_FLOW_AWAY_MAX_SPONT	0xF87D
SpAWRR	Spontaneous Airway Respiration Rate Label:	
	NLS_NOM_AWAY_RESP_RATE_SPONT Observed Value:	0x0002F815
PlGain	NOM_AWAY_RESP_RATE_SPONT Pleth Gain Label:	0xF815
	NLS_NOM_PULS_OXIM_PLETH_GAIN Observed Value:	0x0002F88D
fqAGT	NOM_PULS_OXIM_PLETH_GAIN Fresh gas Anesthetic Agent	0xF88D
5	Label: NLS NOM FLOW AWAY AGENT	0x0002F876
	Observed Value: NOM_CONC_AWAY_AGENT	0x5388
O2EI	Oxygen Extraction Index Label:	
	NLS_NOM_EXTRACT_O2_INDEX Observed Value:	0x0002F875
REF	NOM_EXTRACT_O2_INDEX Right Heart Ejection Fraction	0xF875
	Label: NLS_NOM_RIGHT_HEART_FRACT_EJECT	0x0002F89B
EDV	Observed Value: NOM_RIGHT_HEART_FRACT_EJECT End Diastolic Volume	0xF89B
ED V	Label: NLS NOM VOL VENT L END DIA	0x00024C00
	Observed Value: NOM VOL GLOBAL END DIA	0xF044
ESV	End Systolic Volume Label:	
	NLS_NOM_VOL_VENT_L_END_SYS Observed Value:	0x00024C04
EDVI	NOM_VOL_VENT_L_END_SYS End Diastolic Volume Index	0x4C04
	Label:	

	NLS_NOM_VOL_VENT_L_END_DIA_INDEX	0x0002F8D0
	Observed Value:	0F04F
ESVI	NOM_VOL_GLOBAL_END_DIA_INDEX End Systolic Volume Index	0xF045
прит	Label:	
	NLS_NOM_VOL_VENT_L_END_SYS_INDEX	0x0002F8D1
	Observed Value:	
RiseTi	NOM_VOL_VENT_L_END_SYS_INDEX Rise Time	0xF8D1
RISEII	Label:	
	NLS NOM VENT TIME PD RAMP	0x0002F8BD
	Observed Value:	
	NOM_VENT_TIME_PD_RAMP	0xF8BD
HFVAmp	High Frequency Ventilation Amplitude Label:	
	NLS NOM VENT AMPL HFV	0x0002F8B1
	Observed Value:	0200021021
	NOM_VENT_AMPL_HFV	0xF8B1
UrUrea	Urine Urea	
	Label:	0**0000E10E
	NLS_NOM_CONC_UREA_URINE Observed Value:	0x0002F195
	NOM CONC UREA URINE	0xF195
UrpH	pH value in the Urine	
	Label:	
	NLS_NOM_CONC_PH_URINE Observed Value:	0x00027064
	NOM CONC PH URINE	0x7064
tCO2	total of CO2 - result of Blood gas Analysis	
	Label:	
	NLS_NOM_CONC_CO2_TOT	0x0002F825
	Observed Value: NOM CONC CO2 TOT	0xF825
tBili	total Bilirubin	0MI 023
	Label:	
	NLS_NOM_CONC_BILI_TOT	0x0002F177
	Observed Value: NOM CONC BILI TOT	0xF177
SerGlu	Glucose in Serum	UXF1//
	Label:	
	NLS_NOM_CONC_GLU_SER	0x0002F82A
	Observed Value:	0
UrGlu	NOM_CONC_GLU_SER Glucose in Urine	0xF82A
ordia	Label:	
	NLS_NOM_CONC_GLU_URINE	0x0002F19F
	Observed Value:	
dBili	NOM_CONC_GLU_URINE direct Bilirubin	0xF19F
UBIII	Label:	
	NLS_NOM_CONC_BILI_DIRECT	0x0002F17A
	Observed Value:	
	NOM_CONC_BILI_DIRECT	0xF17A
SerCa	Calcium in Serum Label:	
	NLS NOM CONC CA SER	0x0002F824
	Observed Value:	
	NOM_CONC_CA_SER	0xF824
tSerCa	total of Calcium in Serum	
	Label: NLS NOM CONC tCA SER	0x0002F15D
	Observed Value:	
	NOM_CONC_tCA_SER	0xF15D
SerMg	Magnesium in Serum	
	Label:	

	NLS_NOM_CONC_MG_SER	0x0002F15C
	Observed Value:	
SerPho	NOM_CONC_MG_SER Phosphat in Serum	0xF15C
	Label:	
	NLS_NOM_CONC_P_SER Observed Value:	0x0002F15E
	NOM CONC P SER	0xF15E
SerK	Kalium (Potassium) in Serum	
	Label: NLS NOM CONC K SER	0x0002F82F
	Observed Value:	0X00021021
	NOM_CONC_K_SER	0xF82F
SerCl	Clorid in Serum Label:	
	NLS_NOM_CONC_CHLOR_SER	0x0002F15F
	Observed Value:	0B1 EB
SerAlb	NOM_CONC_CHLOR_SER Albumine in Serum	0xF15F
	Label:	
	NLS_NOM_CONC_ALB_SER Observed Value:	0x0002F163
	NOM_CONC_ALB_SER	0xF163
UrCl	Clorid in Urine	
	Label: NLS NOM CONC CHLOR URINE	0x0002F19A
	Observed Value:	
SerGlo	NOM_CONC_CHLOR_URINE Globulin in Serum	0xF19A
501010	Label:	
	NLS_NOM_CONC_GLO_SER	0x0002F829
	Observed Value: NOM CONC GLO SER	0xF829
SerPro	(Total) Protein in Serum	
	Label: NLS NOM CONC PROT SER	0x0002F178
	Observed Value:	01100021170
SrUrea	NOM_CONC_PROT_SER Serum Urea	0xF178
SIULEA	Label:	
	NLS_NOM_UREA_SER	0x0002F8AD
	Observed Value: NOM UREA SER	0xF8AD
WBC	White Blood Count (leucocyte count)	
	Label:	0**0002E169
	NLS_NOM_WB_CNT Observed Value:	0x0002F168
	NOM_WB_CNT	0xF168
RBC	Red Blood Count (erithrocyte count) Label:	
	NLS_NOM_RB_CNT	0x0002F169
	Observed Value: NOM RB CNT	0xF169
Plts	Platelets (thrombocyte count)	691170
	Label:	
	NLS_NOM_PLTS_CNT Observed Value:	0x0002F167
	NOM_PLTS_CNT	0xF167
Bands	- Label:	
	NLS_NOM_BANDED_NEUTROPHIL_CNT	0x0002FBF3
	Observed Value:	0
	NOM_BANDED_NEUTROPHIL_CNT Units:	0xFBF3
	NOM_DIM_PERCENT	0x0220

MCV Mean Corpuscular Volume Label: NLS_NOM_VOL_CORP_MEAN 0x0002F8C4 Observed Value: NOM VOL CORP MEAN Mean Corpuscular Hemoglobin. Is the erithrocyte hemoglobin content MCH NLS NOM_HB_CORP_MEAN 0x0002F885 Observed Value: NOM HB CORP MEAN 0xF885 MCHC Mean Corpuscular Hemoglobin Concentration Label: NLS NOM CONC HB CORP MEAN 0x0002F82C Observed Value: NOM CONC HB CORP MEAN 0xF82C PTT Partial Thromboplastin Time Label: NLS NOM TIME PD PTT 0x0002F8A5 Observed Value: NOM TIME PD PTT 0xF8A5 Prothrombin Time PT Label: NLS NOM TIME PD PT 0x0002F18B Observed Value: NOM_TIME_PD_PT 0xF18B Thrombin Time TT Label: NLS NOM TIME PD THROMBIN 0x0002F191 Observed Value: NOM TIME PD THROMBIN 0xF191 Alkalische Phosphatase ΑP Label: NLS NOM CONC AP 0x0002F185 Observed Value: NOM CONC AP 0xF185 alphaA Alpha Amylase Label: NLS NOM CONC ALPHA AMYLASE 0x0002F186 Observed Value: NOM CONC ALPHA AMYLASE 0xF186 Cholesterinesterase CHE Label: NLS NOM CONC CHE 0x0002F182 Observed Value: NOM CONC CHE 0xF182 Creatinin Kinase SerCK Label: NLS NOM CONC CREA KIN SER 0x0002F180 Observed Value: NOM CONC_CREA_KIN_SER 0xF180 CK-MB Creatine Cinase of type muscle-brain NLS NOM CONC CREA KIN MB 0x0002F181 Observed Value: NOM_CONC_CREA_KIN_MB 0xF181 CK-MM Creatine Cinase of type muscle Label: NLS_NOM_CONC_CREA_KIN_MM 0x0002F17F Observed Value: NOM CONC CREA KIN MM 0xF17F Gamma GT = Gamma Glutamyltranspeptidase GGT NLS_NOM_CONC_GGT 0x0002F189 Observed Value: NOM CONC GGT 0xF189

GOT	Glutamic Oxaloacetic Transaminase Label:	
	NLS_NOM_CONC_GOT	0x0002F188
	Observed Value:	
GPT	NOM_CONC_GOT Glutamic-Pyruvic-Transaminase	0xF188
GII	Label:	
	NLS_NOM_CONC_GPT	0x0002F187
	Observed Value: NOM CONC GPT	0xF187
Fe	Ferrum	UAF107
	Label:	
	NLS_NOM_CONC_FE_GEN Observed Value:	0x0002F160
	NOM CONC FE GEN	0xF160
Chol	Cholesterin	
	Label: NLS NOM CONC CHOLESTEROL	0x0002F16E
	Observed Value:	0X0002F10E
	NOM_CONC_CHOLESTEROL	0xF16E
TGL	Triglyzeride Label:	
	NLS NOM CONC TGL	0x0002F16F
	Observed Value:	
UrPro	NOM_CONC_TGL (Total) Protein in Urine	0xF16F
OIPIO	Label:	
	NLS_NOM_CONC_PRO_URINE	0x0002F19B
	Observed Value: NOM_CONC_PRO_URINE	0xF19B
UrCa	Calzium in Urine	OXFIJB
	Label:	
	NLS_NOM_CONC_CA_URINE Observed Value:	0x0002F19C
	NOM CONC CA URINE	0xF19C
CO-Hb	Carboxy Hemoglobin	
	Label: NLS NOM CONC HB CO GEN	0x00027180
	Observed Value:	0200027100
	NOM_CONC_HB_CO_GEN	0x7180
HbF	Fetal Hemoglobin Label:	
	NLS_NOM_CONC_HB_FETAL	0x0002F165
	Observed Value:	
Met-Hb	NOM_CONC_HB_FETAL MetHemoglobin	0xF165
rice in	Label:	
	NLS_NOM_CONC_HB_MET_GEN	0x0002717C
	Observed Value: NOM CONC HB MET GEN	0x717C
tPro	Total Protein	OX/1/C
	Label:	
	NLS_NOM_CONC_PROT_TOT Observed Value:	0x0002F179
	NOM_CONC_PROT_TOT	0xF179
LDH	Lactate Dehydrogenase	
	Label: NLS NOM CONC LDH	0x0002F17B
	Observed Value:	01100021172
3.00	NOM_CONC_LDH	0xF17B
AST	Aspartin - Aminotransferase Label:	
	NLS_NOM_CONC_AST	0x0002F184
	Observed Value:	0
	NOM_CONC_AST	0xF184

ALP	Alveolarproteinose Rosen-Castleman-Liebow- Syndrom	
	Label: NLS NOM CONC ALP	0x0002F81D
	Observed Value:	01100021012
	NOM_CONC_ALP	0xF81D
RC	Reticulocyte Count Label:	
	NLS_NOM_RET_CNT	0x0002F16A
	Observed Value:	
CT	NOM_RET_CNT Coagulation Time	0xF16A
CI	Label:	
	NLS_NOM_TIME_PD_COAGULATION	0x0002F192
	Observed Value: NOM TIME PD COAGULATION	0xF192
ESR	Erithrocyte sedimentation rate	0AI 192
	Label:	
	NLS_NOM_ES_RATE Observed Value:	0x0002F17C
	NOM_ES_RATE	0xF17C
KCT	Kaolin cephalin time	
	Label: NLS NOM TIME PD KAOLIN CEPHALINE	0x0002F8A4
	Observed Value:	011000210111
_	NOM_TIME_PD_KAOLIN_CEPHALINE	0xF8A4
Rexp	Expiratory Resistance Label:	
	NLS_NOM_RES_AWAY_EXP	0x00025124
	Observed Value:	0.5104
ExpTi	NOM_RES_AWAY_EXP Expiratory Time	0x5124
2116 1 1	Label:	
	NLS_NOM_TIME_PD_EXP	0x0002F8A1
	Observed Value: NOM TIME PD EXP	0xF8A1
Rinsp	Inspiratory Resistance	
	Label:	0 00005100
	NLS_NOM_RES_AWAY_INSP Observed Value:	0x00025128
	NOM_RES_AWAY_INSP	0x5128
eeFlow	Expiratory Peak Flow	
	Label: NLS NOM FLOW AWAY EXP ET	0x0002F87A
	Observed Value:	
Dmorr	NOM_FLOW_AWAY_EXP_ET	0xF87A
Pmax	Maximum Pressure during a breathing cycle Label:	
	NLS_NOM_VENT_PRESS_AWAY_INSP_MAX	0x0002F8BB
	Observed Value:	0775100
AccVol	NOM_PRESS_AWAY_INSP_MAX Infusion Pump Accumulated volume. Measured value	0x5109
	Label:	
	NLS_NOM_VOL_INFUS_ACTUAL_TOTAL Observed Value:	0x000268FC
	NOM_VOL_INFUS_ACTUAL_TOTAL	0x68FC
i-eN2O	Inspired - EndTidal N2O	
	Label: NLS NOM VENT CONC AWAY N2O DELTA	0x0002F8B7
	Observed Value:	0210002F0D/
	NOM_VENT_CONC_AWAY_N2O_DELTA	0xF8B7
i-eHAL	<pre>Inspired - EndTidal Halothane Label:</pre>	
	NLS_NOM_VENT_CONC_AWAY_HALOTH_DELTA	0x0002F8B5
	Observed Value:	
	NOM_VENT_CONC_AWAY_HALOTH_DELTA	0xF8B5

i-eENF	Inspired - EndTidal Enfluran Label:	
	NLS_NOM_VENT_CONC_AWAY_ENFL_DELTA	0x0002F8B4
	Observed Value: NOM VENT CONC AWAY ENFL DELTA	0xF8B4
i-eISO	Inspired - EndTidal Isofluran	
	Label: NLS_NOM_VENT_CONC_AWAY_ISOFL_DELTA	0x0002F8B6
	Observed Value: NOM VENT CONC AWAY ISOFL DELTA	0xF8B6
i-eSEV	Inspired - EndTidal Sevofluran	OMICEO
	Label: NLS NOM VENT CONC AWAY SEVOFL DELTA	0x0002F8B9
	Observed Value:	
i-eDES	NOM_VENT_CONC_AWAY_SEVOFL_DELTA Inspired - EndTidal Desfluran	0xF8B9
	Label:	0x0002F8B3
	NLS_NOM_VENT_CONC_AWAY_DESFL_DELTA Observed Value:	0X0002F6B3
i-eAGT	NOM_VENT_CONC_AWAY_DESFL_DELTA Inspired - EndTidal Agent	0xF8B3
1 01101	Label:	
	NLS_NOM_VENT_CONC_AWAY_AGENT_DELTA Observed Value:	0x0002F8B2
1	NOM_VENT_CONC_AWAY_AGENT_DELTA	0xF8B2
ckt02	O2 measured in the Patient Circuit Label:	
	NLS_NOM_VENT_CONC_AWAY_O2_CIRCUIT Observed Value:	0x0002F8B8
	ODSEIVED VALUE: NOM_VENT_CONC_AWAY_O2_CIRCUIT	0xF8B8
MMV	Mandatory Minute Volume Label:	
	NLS_NOM_VENT_VOL_MINUTE_AWAY_MAND	0x000251CC
	Observed Value: NOM VENT VOL MINUTE AWAY MAND	0x51CC
RRaw	Airway Respiration Rate. Used by the Ohmeda Ventilator.	
	Label: NLS_NOM_VENT_RESP_RATE	0x00025022
	Observed Value: NOM AWAY RESP RATE	0x5012
HFMVin	Inspired High Frequency Mandatory Minute Volume	0.0012
	Label: NLS NOM VOL MINUTE AWAY INSP HFV	0x0002F8CD
	Observed Value:	0F0 GD
DCO2	NOM_VOL_MINUTE_AWAY_INSP_HFV High Frequency Gas Transport Coefficient value	0xF8CD
	Label: NLS NOM COEF GAS TRAN	0x000251D4
	Observed Value:	0X000231D4
SpTVex	NOM_COEF_GAS_TRAN Spontaenous Expired Tidal Volume	0x51D4
T.	Label:	
	NLS_NOM_VOL_AWAY_EXP_TIDAL_SPONT Observed Value:	0x0002F8C2
Comi	NOM_VOL_AWAY_EXP_TIDAL_SPONT Spontaneuous Tidal Volume	0xF8C2
SpTV	Spontaneuous IIdai volume Label:	
	NLS_NOM_VENT_VOL_TIDAL_SPONT Observed Value:	0x0002F0F3
	NOM_VENT_VOL_TIDAL_SPONT	0xF0F3
MTV	Mandatory Tidal Volume Label:	
	NLS_NOM_VENT_VOL_TIDAL_MAND	0x0002F0F2
	Observed Value: NOM_VENT_VOL_TIDAL_MAND	0xF0F2

HFTVin	Inspired High Frequency Tidal Volume	
	Label: NLS NOM VENT VOL AWAY INSP TIDAL HFV	0x0002F8BE
	Observed Value:	
HFVTV	NOM_VENT_VOL_AWAY_INSP_TIDAL_HFV High Frequency Fraction Ventilation Tidal Volume	0xF8BE
III V I V	Label:	
	NLS_NOM_VENT_VOL_TIDAL_HFV	0x0002F8BF
	Observed Value: NOM VENT VOL TIDAL HFV	0xF8BF
extHR	denotes a Heart Rate received from an external device	
	Label:	0000000010
	NLS_NOM_CARD_BEAT_RATE_EXT Observed Value:	0x0002F81B
	NOM_ECG_CARD_BEAT_RATE	0x4182
Rf-I	ST Reference Value for Lead I Label:	
	NLS_NOM_ECG_AMPL_ST_BASELINE_I	0x0002F411
	Observed Value:	
Rf-II	NOM_ECG_AMPL_ST_BASELINE_I ST Reference Value for Lead II	0xF411
	Label:	
	NLS_NOM_ECG_AMPL_ST_BASELINE_II Observed Value:	0x0002F412
	NOM ECG AMPL ST BASELINE II	0xF412
Rf-III	ST Reference Value for Lead III	
	Label: NLS NOM ECG AMPL ST BASELINE III	0x0002F44D
	Observed Value:	0.000021112
D.6 - IID	NOM_ECG_AMPL_ST_BASELINE_III	0xF44D
Rf-aVR	ST Reference Value for Lead aVR Label:	
	NLS_NOM_ECG_AMPL_ST_BASELINE_AVR	0x0002F44E
	Observed Value: NOM ECG AMPL ST BASELINE AVR	0xF44E
Rf-aVL	ST Reference Value for Lead aVL	3447XU
	Label:	
	NLS_NOM_ECG_AMPL_ST_BASELINE_AVL Observed Value:	0x0002F44F
	NOM_ECG_AMPL_ST_BASELINE_AVL	0xF44F
Rf-aVF	ST Reference Value for Lead aVF Label:	
	NLS NOM ECG AMPL ST BASELINE AVF	0x0002F450
	Observed Value:	
Rf-V1	NOM_ECG_AMPL_ST_BASELINE_AVF ST Reference Value for Lead V1	0xF450
KI VI	Label:	
	NLS_NOM_ECG_AMPL_ST_BASELINE_V1	0x0002F413
	Observed Value: NOM ECG AMPL ST BASELINE V1	0xF413
Rf-V2	ST Reference Value for Lead V2	
	Label: NLS NOM ECG AMPL ST BASELINE V2	0x0002F414
	Observed Value:	0X00021414
	NOM_ECG_AMPL_ST_BASELINE_V2	0xF414
Rf-V3	ST Reference Value for Lead V3 Label:	
	NLS_NOM_ECG_AMPL_ST_BASELINE_V3	0x0002F415
	Observed Value:	0vE41E
Rf-V4	NOM_ECG_AMPL_ST_BASELINE_V3 ST Reference Value for Lead V4	0xF415
	Label:	
	NLS_NOM_ECG_AMPL_ST_BASELINE_V4 Observed Value:	0x0002F416
	NOM_ECG_AMPL_ST_BASELINE_V4	0xF416

Rf-V5	ST Reference Value for Lead V5	
	NLS_NOM_ECG_AMPL_ST_BASELINE_V5 Observed Value:	0x0002F417
Rf-V6	NOM_ECG_AMPL_ST_BASELINE_V5 ST Reference Value for Lead V6	0xF417
	Label: NLS_NOM_ECG_AMPL_ST_BASELINE_V6	0x0002F418
	Observed Value: NOM ECG AMPL ST BASELINE V6	0xF418
LT %AL	Percent Alpha - Left (LT) Side	021110
	Label:	00000000000
	NLS_NOM_EEG_PWR_SPEC_ALPHA_REL_LEFT Observed Value:	0x0002F859
	NOM_EEG_PWR_SPEC_ALPHA_REL	0x59D4
LT %BE	Percent Beta - Left Side Label:	
	NLS_NOM_EEG_PWR_SPEC_BETA_REL_LEFT	0x0002F85F
	Observed Value:	0.5000
LT %DL	NOM_EEG_PWR_SPEC_BETA_REL Percent Delta - Left Side	0x59D8
	Label:	
	NLS_NOM_EEG_PWR_SPEC_DELTA_REL_LEFT Observed Value:	0x0002F867
	NOM_EEG_PWR_SPEC_DELTA_REL	0x59DC
LT %TH	Percent Theta - Left Side	
	Label: NLS NOM EEG PWR SPEC THETA REL LEFT	0x0002F86D
	Observed Value:	
T TT 7 T	NOM_EEG_PWR_SPEC_THETA_REL Absolute Alpha - Left Side	0x59E0
LT AL	Label:	
	NLS_NOM_EEG_PWR_SPEC_ALPHA_ABS_LEFT	0x0002F855
	Observed Value: NOM EEG PWR SPEC ALPHA ABS LEFT	0xF855
LT BE	Absolute Beta - Left Side	0XI 033
	Label:	
	NLS_NOM_EEG_PWR_SPEC_BETA_ABS_LEFT Observed Value:	0x0002F85B
	NOM_EEG_PWR_SPEC_BETA_ABS_LEFT	0xF85B
LT DL	Absolute Delta - Left Side Label:	
	NLS_NOM_EEG_PWR_SPEC_DELTA_ABS_LEFT	0x0002F863
	Observed Value:	
LT TH	NOM_EEG_PWR_SPEC_DELTA_ABS_LEFT Absolute Theta - Left Side	0xF863
21 111	Label:	
	NLS_NOM_EEG_PWR_SPEC_THETA_ABS_LEFT Observed Value:	0x0002F869
	NOM EEG PWR SPEC THETA ABS LEFT	0xF869
LT MDF	Mean Dominant Frequency - Left Side	
	Label: NLS NOM EEG FREQ PWR SPEC CRTX DOM MEAN LEFT	0x0002F849
	Observed Value:	0200021049
	NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN	0x597C
LT MPF	Median Power Frequency - Left Side Label:	
	NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_MEDIAN_LEFT	0x0002F84B
	Observed Value:	0xF84B
LT PPF	NOM_EEG_FREQ_PWR_SPEC_CRTX_MEDIAN_LEFT Peak Power Frequency - Left Side	0AF 0+D
	Label:	
	NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_PEAK_LEFT Observed Value:	0x0002F84F
	NOM_EEG_FREQ_PWR_SPEC_CRTX_PEAK	0x5984

LSCALE	Scale of the Left Channel EEG wave Label:	
	NLS_NOM_EEG_ELEC_POTL_CRTX_GAIN_LEFT Observed Value:	0x0002F841
RT %AL	NOM_EEG_ELEC_POTL_CRTX_GAIN_LEFT Percent Alpha - Right (RT) Side	0xF841
	Label: NLS_NOM_EEG_PWR_SPEC_ALPHA_REL_RIGHT	0x0002F85A
	Observed Value: NOM_EEG_PWR_SPEC_ALPHA_REL	0x59D4
RT %BE	Percent Beta - Right Side Label:	
	NLS_NOM_EEG_PWR_SPEC_BETA_REL_RIGHT	0x0002F860
	Observed Value: NOM_EEG_PWR_SPEC_BETA_REL	0x59D8
RT %DL	Percent Delta - Right Side Label:	
	NLS_NOM_EEG_PWR_SPEC_DELTA_REL_RIGHT	0x0002F868
	Observed Value: NOM EEG PWR SPEC DELTA REL	0x59DC
RT %TH	Percent Theta - Right Side Label:	
	NLS_NOM_EEG_PWR_SPEC_THETA_REL_RIGHT Observed Value:	0x0002F86E
RT AL	NOM_EEG_PWR_SPEC_THETA_REL Absolute Alpha - Right Side	0x59E0
KI III	Label:	
	NLS_NOM_EEG_PWR_SPEC_ALPHA_ABS_RIGHT Observed Value:	0x0002F856
חת חת	NOM_EEG_PWR_SPEC_ALPHA_ABS_RIGHT Absolute Beta - Right Side	0xF856
RT BE	Label:	
	NLS_NOM_EEG_PWR_SPEC_BETA_ABS_RIGHT Observed Value:	0x0002F85C
	NOM_EEG_PWR_SPEC_BETA_ABS_RIGHT	0xF85C
RT DL	Absolute Delta - Right Side Label:	
	NLS_NOM_EEG_PWR_SPEC_DELTA_ABS_RIGHT	0x0002F864
	Observed Value: NOM EEG PWR SPEC DELTA ABS RIGHT	0xF864
RT TH	Absolute Theta - Right Side Label:	
	NLS_NOM_EEG_PWR_SPEC_THETA_ABS_RIGHT	0x0002F86A
	Observed Value: NOM EEG PWR SPEC THETA ABS RIGHT	0xF86A
RT MDF	Mean Dominant Frequency - Right Side	ONI COII
	Label: NLS NOM EEG FREQ PWR SPEC CRTX DOM MEAN RIGHT	0x0002F84A
	Observed Value:	0.5000
RT MPF	NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN Median Power Frequency - Right Side	0x597C
	Label: NLS NOM EEG FREQ PWR SPEC CRTX MEDIAN RIGHT	0x0002F84C
	Observed Value:	
RT PPF	NOM_EEG_FREQ_PWR_SPEC_CRTX_MEDIAN_RIGHT Peak Power Frequency - Right Side	0xF84C
	Label: NLS NOM EEG FREQ PWR SPEC CRTX PEAK RIGHT	0x0002F850
	Observed Value:	0
RSCALE	NOM_EEG_FREQ_PWR_SPEC_CRTX_PEAK Scale of the Right Channel EEG wave Label:	0x5984
	NLS_NOM_EEG_ELEC_POTL_CRTX_GAIN_RIGHT	0x0002F842
	Observed Value: NOM EEG ELEC POTL CRTX GAIN RIGHT	0xF842

DPosP	Duration Above Base Pressure Label:	
	NLS_NOM_VENT_TIME_PD_PPV	0x00025360
	Observed Value: NOM VENT TIME PD PPV	0x5360
RRsync	Sync Breath Rate	
	Label: NLS_NOM_RESP_BREATH_ASSIST_CNT	0x0002F89A
	Observed Value:	0
fgDES	NOM_RESP_BREATH_ASSIST_CNT fresh gas agent for DESflurane	0xF89A
	Label:	
	NLS_NOM_FLOW_AWAY_DESFL Observed Value:	0x0002F878
	NOM_CONC_AWAY_DESFL	0x51D8
fgSEV	fresh gas agent for SEVoflurane Label:	
	NLS_NOM_FLOW_AWAY_SEVOFL	0x0002F880
	Observed Value:	0
fgHAL	NOM_CONC_AWAY_SEVOFL fresh gas agent for HALothane	0x51E4
	Label:	
	NLS_NOM_FLOW_AWAY_HALOTH Observed Value:	0x0002F87B
	NOM_CONC_AWAY_HALOTH	0x51E0
fgENF	fresh gas agent for ENFlurane Label:	
	NLS_NOM_FLOW_AWAY_ENFL	0x0002F879
	Observed Value: NOM CONC AWAY ENFL	0x51DC
fgIS0	fresh gas agent for ISOflurane	ONSIDE
	Label:	0x0002F87C
	NLS_NOM_FLOW_AWAY_ISOFL Observed Value:	0200021070
F-370.0	NOM_CONC_AWAY_ISOFL	0x51E8
fgN2O	N2O concentration in the fresh gas line Label:	
	NLS_NOM_FLOW_AWAY_N2O	0x0002F87E
	Observed Value: NOM CONC AWAY N2O	0x51F0
fg02	Oxygen concentration in the fresh gas line Label:	
	NLS_NOM_FLOW_AWAY_02	0x0002F87F
	Observed Value: NOM CONC AWAY 02	0x5164
fgAir	Fresh Gas Flow of Air	
	Label: NLS NOM FLOW AWAY AIR	0x0002F877
	Observed Value:	01100021077
fqFlow	NOM_FLOW_AWAY_AIR Total Fresh Gas Flow	0xF877
igriow	Label:	
	NLS_NOM_FLOW_AWAY_TOT	0x0002F881
	Observed Value: NOM FLOW AWAY TOT	0xF881
AGTLev	Liquid level in the anesthetic agent bottle	
	Label: NLS_NOM_VOL_LVL_LIQUID_BOTTLE_AGENT	0x0002F8C7
	Observed Value: NOM VOL LVL LIQUID BOTTLE AGENT	0xF8C7
ISOLev	Liquid level in the ISOflurane bottle	0111 00 /
	Label: NLS NOM VOL LVL LIQUID BOTTLE ISOFL	0x0002F8CB
	Observed Value:	UNUUUZIUCD
	NOM_VOL_LVL_LIQUID_BOTTLE_ISOFL	0xF8CB

ENFLev	Liquid level in the ENFlurane bottle Label:	
	NLS_NOM_VOL_LVL_LIQUID_BOTTLE_ENFL Observed Value:	0x0002F8C9
HALLev	NOM_VOL_LVL_LIQUID_BOTTLE_ENFL Liquid level in the HALothane bottle	0xF8C9
	Label: NLS_NOM_VOL_LVL_LIQUID_BOTTLE_HALOTH	0x0002F8CA
DEGI	Observed Value: NOM_VOL_LVL_LIQUID_BOTTLE_HALOTH	0xF8CA
DESLev	Liquid level in the DESflurane bottle Label:	00000000000
	NLS_NOM_VOL_LVL_LIQUID_BOTTLE_DESFL Observed Value:	0x0002F8C8
SEVLev	NOM_VOL_LVL_LIQUID_BOTTLE_DESFL Liquid level in the SEVoflurane bottle	0xF8C8
	Label: NLS_NOM_VOL_LVL_LIQUID_BOTTLE_SEVOFL	0x0002F8CC
NO	Observed Value: NOM_VOL_LVL_LIQUID_BOTTLE_SEVOFL	0xF8CC
INO	Label:	
	NLS_NOM_CONC_AWAY_NO Observed Value:	0x0002FB97
NO2	NOM_CONC_AWAY_NO	0xFB97
NO2	Label:	
	NLS_NOM_CONC_AWAY_NO2 Observed Value:	0x0002FB98
	NOM_CONC_AWAY_NO2	0xFB98
	Units: UNDEFINED	
UrVSht	Urimeter - Urine Shift Volume.	
	Label: NLS NOM VOL URINE SHIFT	0x0002F8CF
	Observed Value:	0X0002F0CF
UrFl	NOM_VOL_URINE_SHIFT Urimeter - Urine Flow.	0xF8CF
OIFI	Label:	
	NLS_NOM_FLOW_URINE_INSTANT	0x0002680C
	Observed Value: NOM FLOW URINE INSTANT	0x680C
iCa	ionized Calcium	
	Label: NLS NOM CONC CA GEN	0x00027118
	Observed Value:	
'Hb	NOM_CONC_CA_GEN Calculated Hemoglobin	0x7118
-120	Label:	
	NLS_NOM_CONC_HB_ART_CALC Observed Value:	0x0002F82B
	NOM_CONC_HB_ART	0x7014
рНс	pH value in the capillaries Label:	
	NLS_NOM_CONC_PH_CAP Observed Value:	0x0002F158
	NOM_CONC_PH_CAP	0xF158
Hq&	Adjusted pH at &Patient Temperature	
	Label: NLS_NOM_CONC_PH_GEN_ADJ	0x0002F838
	Observed Value:	0
&рНа	NOM_CONC_PH_GEN_ADJ Adjusted pH in the arterial Blood	0xF838
	Label: NLS_NOM_CONC_PH_ART_ADJ	0x0002F836

	Observed Value: NOM_CONC_PH_ART	0x7004
&pHv	Adjusted pH value in the venous Blood Label:	00.000 = 0.00
	NLS_NOM_CONC_PH_VEN_ADJ Observed Value:	0x0002F839
&pHc	NOM_CONC_PH_VEN Adjusted pH value in the capillaries	0x7034
1	Label:	
	NLS_NOM_CONC_PH_CAP_ADJ Observed Value:	0x0002F837
PcO2	NOM_CONC_PH_CAP_ADJ	0xF837
PCOZ	Partial O2 in the capillaries Label:	
	NLS_NOM_CONC_PO2_CAP	0x0002F15A
	Observed Value: NOM CONC PO2 CAP	0xF15A
&PO2	Adjusted PO2 at Patient Temperature	
	Label: NLS NOM CONC PO2 GEN ADJ	0x0002F83D
	Observed Value:	0X0002F03D
	NOM_CONC_PO2_GEN	0x7174
&Pa02	Adjusted PaO2 at Patient Temperature on the arterial blood Label:	
	NLS_NOM_CONC_PO2_ART_ADJ	0x0002F83B
	Observed Value: NOM CONC PO2 ART ADJ	0xF83B
&Pv02	Adjusted PvO2 at Patient Temperature	0111 002
	Label: NLS NOM CONC PO2 VEN ADJ	0x0002F83E
	Observed Value:	0X0002F63E
	NOM_CONC_PO2_VEN	0x703C
&PcO2	Adjusted PcO2 at Patient Temperature Label:	
	NLS_NOM_CONC_PO2_CAP_ADJ	0x0002F83C
	Observed Value:	0E02 <i>G</i>
PcCO2	NOM_CONC_PO2_CAP_ADJ Partial CO2 in the capillaries	0xF83C
	Label:	
	NLS_NOM_CONC_PCO2_CAP Observed Value:	0x0002F159
	NOM_CONC_PCO2_CAP	0xF159
&PCO2	Computed PCO2 at Patient Temperature	
	Label: NLS_NOM_CONC_PCO2_GEN_ADJ	0x0002F834
	Observed Value:	
&PaCO2	NOM_CONC_PCO2_GEN Computed PaCO2 at Patient Temperature on the arterial blood	0x7140
urucoz	Label:	
	NLS_NOM_CONC_PCO2_ART_ADJ Observed Value:	0x0002F832
	NOM_CONC_PCO2_ART_ADJ	0xF832
&PvCO2	Computed PvCO2 at Patient Temperature	
	Label: NLS NOM CONC PCO2 VEN ADJ	0x0002F835
	Observed Value:	01100021033
r Dagon	NOM_CONC_PCO2_VEN	0x7038
&PcCO2	Computed PcO2 at Patient Temperature Label:	
	NLS_NOM_CONC_PCO2_CAP_ADJ	0x0002F833
	Observed Value: NOM CONC PCO2 CAP ADJ	0xF833
'tCO2	Calculated total CO2	000
	Label:	0.20000.0000
	NLS_NOM_CONC_CO2_TOT_CALC	0x0002F826

'SO2	Observed Value: NOM_CONC_CO2_TOT_CALC Calculated SO2	0xF826
	Label: NLS_NOM_SAT_O2_CALC	0x0002F89C
'Sa02	Observed Value: NOM_SAT_02_ART Calculated SaO2	0x4B34
	Label: NLS_NOM_SAT_O2_ART_CALC Observed Value:	0x0002F164
'Sv02	NOM_SAT_02_ART_CALC Calculated Sv02	0xF164
	Label: NLS_NOM_SAT_O2_VEN_CALC Observed Value:	0x0002F166
'Sc02	NOM_SAT_O2_VEN Calculated ScO2 Label:	0x4B3C
	NLS_NOM_SAT_O2_CAP_CALC Observed Value:	0x0002F1A0
'HCO3	NOM_SAT_02_CAP_CALC Calculated HCO3 Label:	0xF1A0
	NLS_NOM_CONC_HCO3_GEN_CALC Observed Value:	0x0002F82E
'BEecf	NOM_CONC_HCO3_GEN Calculated Base Excess Label:	0x7108
	NLS_NOM_CONC_BASE_EXCESS_ECF_CALC Observed Value: NOM CONC BASE EXCESS ECF	0x0002F821 0xF090
'AnGap	Calculated AnionGap Label:	
	NLS_NOM_CONC_AN_GAP_CALC Observed Value: NOM CONC AN GAP CALC	0x0002F1A1 0xF1A1
Urea	Urea used by the i-Stat Label:	0000000100
	NLS_NOM_CONC_UREA_GEN Observed Value: NOM_CONC_UREA_GEN	0x0002F172 0xF172
'BE,B	Calculated Base Excess in Blood Label: NLS_NOM_BASE_EXCESS_BLD_ART_CALC	0x0002F817
124	Observed Value: NOM_BASE_EXCESS_BLD_ART	0x716C
iMg	ionized Magnesium Label: NLS_NOM_CONC_MG_ION	0x0002F15B
Crea	Observed Value: NOM_CONC_MG_ION Creatinine - Measured Value by the i-Stat Module	0xF15B
	Label: NLS_NOM_CONC_CREA	0x0002F173
'B/Cre	Observed Value: NOM_CONC_CREA Ratio BUN/Creatinine. Calculated value by the i-Stat module	0xF173
	Label: NLS_NOM_RATIO_CONC_BLD_UREA_NITROGEN_CREA_CALC Observed Value:	0x0002F890
'U/Cre	NOM_RATIO_CONC_BLD_UREA_NITROGEN_CREA_CALC Ratio Urea/Creatinine. Calculated value by the i-Stat module	0xF890
	Label: NLS_NOM_RATIO_CONC_URINE_CREA_CALC	0x0002F891

	Observed Value:	
	NOM_RATIO_CONC_URINE_CREA_CALC	0xF891
Lact	Lactate. SMeasured value by the i-Stat module Label:	
	NLS_NOM_CONC_LACT	0x0002F174
	Observed Value:	0xF174
Elapse	NOM_CONC_LACT Time to Elapse Counter	UXF174
-	Label:	
	NLS_NOM_TIME_PD_FROM_LAST_MSMT Observed Value:	0x0002F8A2
	NOM_TIME_PD_FROM_LAST_MSMT	0xF8A2
	Units:	0000
Air T	NOM_DIM_SEC Air Temperature in the Incubator	0x0880
	Label:	
	NLS_NOM_TEMP_AIR_INCUB Observed Value:	0x0002F12A
	NOM_TEMP_AIR_INCUB	0xF12A
Hum	Humidity in the Incubator	
	Label: NLS NOM HUMID	0x0002F103
	Observed Value:	
Power	NOM_HUMID Power requ'd to set the Air&Pat Temp in the incubator	0xF103
10,001	Label:	
	NLS_NOM_HEATING_PWR_INCUBATOR	0x0002F886
	Observed Value: NOM HEATING PWR INCUBATOR	0xF886
BagWgt	Weight of the Urine Disposable Bag	
	Label: NLS NOM WEIGHT URINE COL	0x0002F8D3
	Observed Value:	01100021023
+1177/0]	NOM_WEIGHT_URINE_COL	0xF8D3
tUrVol	Total Urine Volume of the current measurement period Label:	
	NLS_NOM_VOL_URINE_BAL_PD_INSTANT	0x0002F8CE
	Observed Value: NOM VOL URINE BAL PD INSTANT	0xF8CE
UrDens	Density of the Urine fluid	
	Label: NLS NOM FLUID DENS URINE	0x0002F19D
	Observed Value:	0200021130
-	NOM_FLUID_DENS_URINE	0xF19D
Age	actual patient age. measured in years Label:	
	NLS_NOM_AGE	0x0002F810
	Observed Value: NOM AGE	0xF810
	Units:	OXIOIO
	NOM_DIM_YR	0x0940
	NOM_DIM_WEEKS NOM_DIM_YR	0x0900 0x08E0
U/O	Daily Urine output	
	Label: NLS NOM FLOW URINE PREV 24HR	0x0002F883
	Observed Value:	01100021003
Dwylol	NOM_FLOW_URINE_PREV_24HR	0xF883
DrnVol	Label:	
	NLS_NOM_FLOW_FLUID_DRAIN_PREV_HR	0x00026810
	Observed Value: NOM FLOW FLUID DRAIN PREV HR	0x6810
	Units:	· · -
	NOM DIM MILLI L PER HR	0x0C32

BagVol	Current fluid (Urine) in the Urine Bag Label:	
	NLS_NOM_VOL_URINE_COL	0x00026830
	Observed Value: NOM VOL URINE COL	0x6830
PtVent	Parameter which informs whether the Patient is ventilated	
	Label: NLS_NOM_VENT_ACTIVE	0x0002F8B0
	Observed Value:	
sO2max	NOM_VENT_ACTIVE	0xF8B0
	Label:	
	NLS_NOM_SETT_VENT_INSP_O2_LEVEL_ELEVATED	0x0402FB9D
	Observed Value: NOM SETT VENT INSP O2 LEVEL ELEVATED	0xFB9D
Vsigh		
	Label:	0x0002FBB4
	NLS_NOM_VENT_SIGH_VOLUME Observed Value:	0X0002FBB4
	NOM_VENT_SIGH_VOLUME	0xFBB4
PaFIO2	PaO2 to FIO2 ratio. Expressed in mmHg to % ratio Label:	
	NLS_NOM_RATIO_PaO2_FIO2	0x0002F894
	Observed Value:	
SpRR	NOM_RATIO_Pa02_FI02 Spontaneous Respiration Rate	0xF894
op	Label:	
	NLS_NOM_RESP_RATE_SPONT	0x0002F828
	Observed Value: NOM RESP RATE SPONT	0xF828
MRR	Mandatory Respiratory Rate	
	Label:	0x0002F0F1
	NLS_NOM_VENT_RESP_RATE_MAND Observed Value:	0X0002F0F1
	NOM_VENT_RESP_RATE_MAND	0xF0F1
inAGTs	Inspired secondary Anesthetic Agent Label:	
	NLS_NOM_CONC_AWAY_AGENT_INSP_SEC	0x0002F81F
	Observed Value:	
etAGTs	NOM_CONC_AWAY_AGENT_INSP EndTidal secondary Anesthetic Agent	0x5390
CCHCID	Label:	
	NLS_NOM_CONC_AWAY_AGENT_ET_SEC	0x0002F81E
	Observed Value: NOM CONC AWAY AGENT ET	0x538C
DBScnt	Double Burst Stimulation count - Number of DBS responses	
	Label:	0x0002f86c
	NLS_NOM_NMT_DOUBLE_BURST_CNT Observed Value:	0X00021860
	NOM_NMT_DOUBLE_BURST_CNT	0xF86C
	Units: NOM DIM DIMLESS	0x0200
TOFcnt	Train Of Four (TOF) count - Number of TOF responses.	0110200
	Label:	0000000000000000000000000000000000000
	NLS_NOM_TRAIN_OF_FOUR_CNT Observed Value:	0x0002F8AB
	NOM_TRAIN_OF_FOUR_CNT	0xF8AB
TOFrat	Train Of Four (TOF) ratio	
	Label: NLS NOM RATIO TRAIN OF FOUR	0x0002F897
	Observed Value:	
Twitch	NOM_RATIO_TRAIN_OF_FOUR Twitch height of the 1Hz/0.1Hz stimulation response	0xF897
TWICCII	Label:	
	NLS_NOM_TWITCH_AMPL	0x0002F8AC

PTC	Observed Value: NOM_TWITCH_AMPL Post Tetatic Count stimulation Label:	0xF8AC
	NLS_NOM_PTC_CNT Observed Value:	0x0002F88B
RemTi	NOM_PTC_CNT Remaining Time until next stimulation	0xF88B
Remii	Label: NLS_NOM_TIME_PD_EVOK_REMAIN Observed Value:	0x0002F8A0
TOF1	NOM_TIME_PD_EVOK_REMAIN TrainOf Four (TOF) first response value TOF1	0xF8A0
	Label: NLS_NOM_TRAIN_OF_FOUR_1 Observed Value:	0x0002F8A7
TOF2	NOM_TRAIN_OF_FOUR_1 TrainOf Four (TOF) first response value TOF2	0xF8A7
	Label: NLS_NOM_TRAIN_OF_FOUR_2 Observed Value:	0x0002F8A8
TOF3	NOM_TRAIN_OF_FOUR_2 TrainOf Four (TOF) first response value TOF3	0xF8A8
1013	Label:	0x0002F8A9
	NLS_NOM_TRAIN_OF_FOUR_3 Observed Value:	
TOF4	NOM_TRAIN_OF_FOUR_3 TrainOf Four (TOF) first response value TOF4	0xF8A9
	Label: NLS_NOM_TRAIN_OF_FOUR_4 Observed Value:	0x0002F8AA
sRepTi	NOM_TRAIN_OF_FOUR_4 Setting: Preset Train Of Four (Slow TOF) repetition time	0xF8AA
вкертт	Label:	004005036
	NLS_NOM_SETT_TIME_PD_TRAIN_OF_FOUR Observed Value:	0x0402F8A6
ACT	NOM_SETT_TIME_PD_TRAIN_OF_FOUR Activated Clotting Time. Measured value by the i-Stat module Label:	0xF8A6
	NLS_NOM_TIME_PD_ACT	0x0002F18A
	Observed Value: NOM_TIME_PD_ACT	0xF18A
aPTTWB	aPTT Whole Blood Label:	
	NLS_NOM_TIME_PD_aPTT_WB Observed Value:	0x0002F18D
	NOM_TIME_PD_aPTT_WB Units:	0xF18D
aPTTPE	NOM_DIM_SEC aPTT Plasma Equivalent Time	0x0880
arrin	Label:	0000000100
	NLS_NOM_TIME_PD_aPTT_PE Observed Value:	0x0002F18E
	NOM_TIME_PD_aPTT_PE Units:	0xF18E
PTTrat	NOM_DIM_SEC Activated Partial Thromboplastin Time Ratio	0x0880
	Label: NLS NOM RATIO TIME PD PTT	0x0002F896
	Observed Value:	
PT WB	NOM_RATIO_TIME_PD_PTT Prothrombin Time (Blood)	0xF896
	Label: NLS_NOM_TIME_PD_PT_WB Observed Value:	0x0002F18F

	NOM_TIME_PD_PT_WB	0xF18F
	Units: NOM DIM SEC	0x0880
PT PE	Prothrombin Time (Plasma)	
	Label: NLS_NOM_TIME_PD_PT_PE	0x0002F190
	Observed Value: NOM_TIME_PD_PT_PE	0xF190
	Units: NOM DIM SEC	0x0880
PTrat	Prothrombin Time Ratio	0110000
	Label: NLS NOM RATIO TIME PD PT	0x0002F895
	Observed Value:	
	NOM_RATIO_TIME_PD_PT Units:	0xF895
PT INR	Prothrombin Time - International Normalized Ratio	
	Label:	
	NLS_NOM_PT_INTL_NORM_RATIO Observed Value:	0x0002F18C
	NOM_PT_INTL_NORM_RATIO	0xF18C
cTnI	Cardiac Troponin I Label:	
	NLS_NOM_CARDIAC_TROPONIN_I Observed Value:	0x0002F0F4
	NOM_CARDIAC_TROPONIN_I	0xF0F4
CPB	Cardio Pulmonary Bypass Flag Label:	
	NLS_NOM_CARDIO_PULMONARY_BYPASS_MODE	0x0002F0F5
	Observed Value: NOM_CARDIO_PULMONARY_BYPASS_MODE	0xF0F5
BNP	Cardiac Brain Natriuretic Peptide	0111 01 5
	Label: NLS NOM BNP	0x0002F0F6
	Observed Value:	
InsTi	NOM_BNP Spontaneous Inspiration Time	0xF0F6
	Label:	
	NLS_NOM_TIME_PD_INSP Observed Value:	0x0002F8A3
G0.0 / G	NOM_TIME_PD_INSP	0xF8A3
C20/C	Overdistension Index Label:	
	NLS_NOM_C20_PER_C_INDEX Observed Value:	0x0002F81A
	NOM_C20_PER_C_INDEX	0xF81A
TC	Time Constant Label:	
	NLS_NOM_AWAY_TC	0x0002F816
	Observed Value: NOM AWAY TC	0xF816
r	Correlation Coefficient	
	Label: NLS NOM AWAY CORR COEF	0x0002F814
	Observed Value:	0
RVrat	NOM_AWAY_CORR_COEF Rate Volume Ratio	0xF814
	Label:	00002E00E
	NLS_NOM_RATIO_AWAY_RATE_VOL_AWAY Observed Value:	0x0002F88E
iCa(N)	NOM_RATIO_AWAY_RATE_VOL_AWAY ionized Calcium Normalized	0xF88E
ICA (IV)	Label:	
	NLS_NOM_CONC_CA_GEN_NORM	0x0002F822

TVPSV	Observed Value: NOM_CONC_CA_GEN_NORM Tidal Volume (TV) in Pressure Support Ventilation mode	0xF822
	Label: NLS_NOM_VOL_AWAY_TIDAL_PSV Observed Value:	0x0002F8C3
'iCa-N	NOM_VOL_AWAY_TIDAL_PSV Ionized Calcium Normalized	0xF8C3
	Label: NLS_NOM_CONC_CA_GEN_NORM_CALC Observed Value:	0x0002F823
Th/Tl	NOM_CONC_CA_GEN_NORM_CALC	0xF823
	Label: NLS_NOM_RATIO_TIME_PD_BIPAP_HI_LO Compound Observed Value:	0x0002FB7E
	NOM_RATIO_TIME_PD_BIPAP_HI_LO_PART_HI NOM_RATIO_TIME_PD_BIPAP_HI_LO_PART_LO	0xFBBC 0xFBBD
RSBI	Rapid Shallow Breathing Index Label: NLS NOM BREATH RAPID SHALLOW INDEX	0x0002F819
	Observed Value: NOM_BREATH_RAPID_SHALLOW_INDEX	0xF819
sAWRR	Setting: Airway Respiratory Rate Label:	0×04025012
	NLS_NOM_SETT_AWAY_RESP_RATE Observed Value: NOM_AWAY_RESP_RATE	0x5012
sTV	Setting: Tidal Volume Label:	0**04025120
	NLS_NOM_SETT_VOL_AWAY_TIDAL Observed Value: NOM_VOL_AWAY_TIDAL	0x0402513C 0x513C
sPIF	Setting: Peak Inspiratory Flow Label:	0040050DD
	NLS_NOM_SETT_FLOW_AWAY_INSP_MAX Observed Value: NOM PRESS AWAY INSP MAX	0x040250DD 0x5109
sFIO2	Setting: Inspired Oxygen Concentration Label:	004005400
	NLS_NOM_SETT_VENT_CONC_AWAY_O2_INSP Observed Value: NOM_VENT_CONC_AWAY_O2_INSP	0x04027498 0x7498
sPltTi	Setting: Plateau Time Label:	0**0402E0EE
	NLS_NOM_SETT_TIME_PD_RESP_PLAT Observed Value: NOM_SETT_TIME_PD_RESP_PLAT	0x0402F0FF 0xF0FF
sPltTA	- Label: NLS NOM SETT VENT TIME PD RESP PLAT APNEA	0x0402FBAE
	Observed Value: NOM_SETT_VENT_TIME_PD_RESP_PLAT_APNEA	0xFBAE
sPplat	- Label: NLS NOM SETT PRESS RESP PLAT	0x040250E8
	Observed Value: NOM_SETT_PRESS_RESP_PLAT	0x50E8
sSghR	Setting: Sigh Rate Label: NLS NOM SETT VENT SIGH RATE	0x0402F93C
	Observed Value: NOM_SETT_VENT_SIGH_RATE	0xF93C
sSghTV	Setting: Sigh Tidal Volume Label:	

	NLS_NOM_SETT_VENT_VOL_TIDAL_SIGH	0x0402F8C0
	Observed Value:	0xF8C0
sSqhNr	NOM_SETT_VENT_VOL_TIDAL_SIGH Setting: Multiple Sigh Number	0264X0
3	Label:	
	NLS_NOM_SETT_VENT_SIGH_MULT_RATE	0x0402F93B
	Observed Value: NOM SETT VENT SIGH MULT RATE	0xF93B
sATV	Setting: Apnea Tidal Volume	UNITSD
	Label:	
	NLS_NOM_SETT_VOL_AWAY_TIDAL_APNEA Observed Value:	0x0402F951
	NOM SETT VOL AWAY TIDAL APNEA	0xF951
sARR	Setting: Apnea Respiration Rate	
	Label:	
	NLS_NOM_SETT_AWAY_RESP_RATE_APNEA Observed Value:	0x0402F8DE
	NOM_SETT_AWAY_RESP_RATE_APNEA	0xF8DE
sAPkFl	Setting: Apnea Peak Flow	
	Label: NLS NOM SETT FLOW AWAY INSP APNEA	0x0402F8ED
	Observed Value:	0X040ZF0ED
	NOM_SETT_FLOW_AWAY_INSP_APNEA	0xF8ED
sAFIO2	Setting: Apnea Inspired O2 Concentration Label:	
	NLS NOM SETT VENT CONC AWAY O2 INSP APNEA	0x0402F917
	Observed Value:	
- DOM	NOM_SETT_VENT_CONC_AWAY_O2_INSP_APNEA	0xF917
sPSV	Setting: Pressure Support Ventilation Label:	
	NLS_NOM_SETT_VENT_PRESS_AWAY_PV	0x0402F8BC
	Observed Value:	0E0DG
sPSVh	NOM_SETT_VENT_PRESS_AWAY_PV -	0xF8BC
sPSVh	NOM_SEII_VENI_PRESS_AWAY_PV - Label:	UXF8BC
sPSVh	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV	0x0402FB8C
sPSVh	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value:	0x0402FB8C
sPSVh sPSVl	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV	
	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV - Label:	0x0402FB8C 0xFB8C
	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV - Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV	0x0402FB8C
	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV - Label:	0x0402FB8C 0xFB8C
	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV - Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh	0x0402FB8C 0xFB8C 0x0402FB8D
sPSVl	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV - Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh Label:	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D
sPSVl	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV - Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh	0x0402FB8C 0xFB8C 0x0402FB8D
sPSVl sEnSgh	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV - Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh Label: NLS_NOM_SETT_VENT_MODE_SIGH Observed Value: NOM_SETT_VENT_MODE_SIGH	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D
sPSVl	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923
sPSVl sEnSgh	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV - Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh Label: NLS_NOM_SETT_VENT_MODE_SIGH Observed Value: NOM_SETT_VENT_MODE_SIGH	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923
sPSVl sEnSgh	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh Label: NLS_NOM_SETT_VENT_MODE_SIGH Observed Value: NOM_SETT_VENT_MODE_SIGH Setting: Suction Oxygen Concentration Label: NLS_NOM_SETT_VENT_O2_SUCTION_MODE Observed Value:	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923 0xF923
sPSVl sEnSgh sO2Suc	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh Label: NLS_NOM_SETT_VENT_MODE_SIGH Observed Value: NOM_SETT_VENT_MODE_SIGH Setting: Suction Oxygen Concentration Label: NLS_NOM_SETT_VENT_O2_SUCTION_MODE Observed Value: NOM_SETT_VENT_O2_SUCTION_MODE	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923 0xF923
sPSVl sEnSgh	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh Label: NLS_NOM_SETT_VENT_MODE_SIGH Observed Value: NOM_SETT_VENT_MODE_SIGH Setting: Suction Oxygen Concentration Label: NLS_NOM_SETT_VENT_O2_SUCTION_MODE Observed Value:	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923 0xF923
sPSVl sEnSgh sO2Suc	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh Label: NLS_NOM_SETT_VENT_MODE_SIGH Observed Value: NOM_SETT_VENT_MODE_SIGH Setting: Suction Oxygen Concentration Label: NLS_NOM_SETT_VENT_O2_SUCTION_MODE Observed Value: NOM_SETT_VENT_O2_SUCTION_MODE Setting: Flow-by Base Flow Label: NLS_NOM_SETT_VENT_AWAY_FLOW_BASE	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923 0xF923
sPSVl sEnSgh sO2Suc	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh Label: NLS_NOM_SETT_VENT_MODE_SIGH Observed Value: NOM_SETT_VENT_MODE_SIGH Setting: Suction Oxygen Concentration Label: NLS_NOM_SETT_VENT_O2_SUCTION_MODE Observed Value: NOM_SETT_VENT_O2_SUCTION_MODE Setting: Flow-by Base Flow Label: NLS_NOM_SETT_VENT_AWAY_FLOW_BASE Observed Value:	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923 0xF923 0xF928 0xF928
sPSVl sEnSgh sO2Suc	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV - Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh Label: NLS_NOM_SETT_VENT_MODE_SIGH Observed Value: NOM_SETT_VENT_MODE_SIGH Setting: Suction Oxygen Concentration Label: NLS_NOM_SETT_VENT_O2_SUCTION_MODE Observed Value: NOM_SETT_VENT_O2_SUCTION_MODE Setting: Flow-by Base Flow Label: NLS_NOM_SETT_VENT_AWAY_FLOW_BASE Observed Value: NOM_SETT_VENT_AWAY_FLOW_BASE	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923 0xF923 0xF923
sPSVl sEnSgh sO2Suc	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Label: NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_EXP_PSV_APRV Setting: Enable Sigh Label: NLS_NOM_SETT_VENT_MODE_SIGH Observed Value: NOM_SETT_VENT_MODE_SIGH Setting: Suction Oxygen Concentration Label: NLS_NOM_SETT_VENT_O2_SUCTION_MODE Observed Value: NOM_SETT_VENT_O2_SUCTION_MODE Setting: Flow-by Base Flow Label: NLS_NOM_SETT_VENT_AWAY_FLOW_BASE Observed Value:	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923 0xF923 0xF928 0xF928
sPSVl sEnSgh sO2Suc	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923 0xF923 0xF928 0xF928
sPSVl sEnSgh sO2Suc	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923 0xF923 0x0402F928 0xF928 0xF928
sPSVl sEnSgh sO2Suc	Label: NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV Observed Value: NOM_SETT_VENT_PRESS_AWAY_INSP_PSV_APRV	0x0402FB8C 0xFB8C 0x0402FB8D 0xFB8D 0x0402F923 0xF923 0x0402F928 0xF928 0xF928 0xF928 0x0402F910 0xF910

	NLS_NOM_SETT_VENT_AWAY_FLOW_SENSE_CYCLE	0x0402FBB2
	Observed Value: NOM SETT VENT AWAY FLOW SENSE CYCLE	0xFBB2
sPVinT	Setting: Pressure Ventilation Inspiratory Time	VIII 222
	Label:	004025042
	NLS_NOM_SETT_VENT_TIME_PD_INSP_PV Observed Value:	0x0402F943
	NOM_SETT_VENT_TIME_PD_INSP_PV	0xF943
sAlnTi	- Label:	
	NLS_NOM_SETT_VENT_TIME_PD_INSP_APNEA	0x0402FB89
	Observed Value:	
sTsigh	NOM_SETT_VENT_TIME_PD_INSP_APNEA	0xFB89
5151911	Label:	
	NLS_NOM_SETT_VENT_TIME_PD_SIGH_INTERVAL	0x0402FB34
	Observed Value: NOM SETT VENT TIME PD SIGH INTERVAL	0xFB34
sAPVcP	Setting: Apnea Pressure Ventilation Control Pressure	
	Label:	0x0402F933
	NLS_NOM_SETT_VENT_PRESS_AWAY_PV_APNEA Observed Value:	0X0402F933
	NOM_SETT_VENT_PRESS_AWAY_PV_APNEA	0xF933
sAPVRR	Setting: Apnea Pressure Ventilation Respiration Rate Label:	
	NLS_NOM_SETT_VENT_RESP_RATE_PV_APNEA	0x0402F93A
	Observed Value:	0
sAPVTi	NOM_SETT_VENT_RESP_RATE_PV_APNEA Setting: Apnea Pressure Ventilation Inspiratory Time	0xF93A
	Label:	
	NLS_NOM_SETT_VENT_TIME_PD_INSP_PV_APNEA Observed Value:	0x0402F944
	NOM_SETT_VENT_TIME_PD_INSP_PV_APNEA	0xF944
sAPVO2	Setting: Apnea Pressure Ventilation Oxygen Concentration	
	Label: NLS NOM SETT VENT CONC AWAY O2 INSP PV APNEA	0x0402F918
	Observed Value:	
sAPVhP	NOM_SETT_VENT_CONC_AWAY_O2_INSP_PV_APNEA Setting: Apnea Pressure Ventilation High Airway Pressure	0xF918
SAPVIIP	Label:	
	NLS_NOM_SETT_VENT_PRESS_AWAY_MAX_PV_APNEA	0x0402F931
	Observed Value: NOM SETT VENT PRESS AWAY MAX PV APNEA	0xF931
sPVI	Setting: Pressure Ventilation I component of I:E Ratio	0111 3 3 1
	Label:	004008000
	NLS_NOM_SETT_RATIO_IE_INSP_PV Observed Value:	0x0402F902
	NOM_SETT_RATIO_IE_INSP_PV	0xF902
sPVE	Setting: Pressure Ventilation E component of I:E Ratio Label:	
	NLS_NOM_SETT_RATIO_IE_EXP_PV	0x0402F900
	Observed Value:	
sAPVI	NOM_SETT_RATIO_IE_EXP_PV Setting: Apnea Pressure Ventilation I component of I:E Ratio	0xF900
	Label:	
	NLS_NOM_SETT_RATIO_IE_INSP_PV_APNEA Observed Value:	0x0402F903
	NOM SETT RATIO IE INSP PV APNEA	0xF903
sAPVE	Setting: Apnea Pressure Ventilation E component of I:E Ratio	
	Label: NLS NOM SETT RATIO IE EXP PV APNEA	0x0402F901
	Observed Value:	
aCva™;	NOM_SETT_RATIO_IE_EXP_PV_APNEA Setting: Cycle Time	0xF901
sCycTi	Label:	

	NLS NOM SETT TIME PD MSMT	0x0402F909
	Observed Value:	
~ C ~ TT	NOM_SETT_TIME_PD_MSMT	0xF909
sCycTy	Setting: Cycle Type Label:	
	NLS_NOM_SETT_VENT_CYCLE_TYPE	0x0402FB9A
	Observed Value: NOM SETT VENT CYCLE TYPE	05003
sIPPV	Setting: Ventilation Frequency in IPPV Mode	0xFB9A
	Label:	
	NLS_NOM_SETT_VENT_RESP_RATE_MODE_PPV_INTERMIT_PAP Observed Value:	0x0402F939
	NOM_SETT_VENT_RESP_RATE_MODE_PPV_INTERMIT_PAP	0xF939
sIMV	Setting: Ventilation Frequency in IMV Mode	
	Label: NLS NOM SETT VENT RESP RATE MODE MAND INTERMITT	0x0402F938
	Observed Value:	0101021930
	NOM_VENT_MODE_MAND_INTERMIT	0xD02A
sPEEP	Setting: PEEP/CPAP Label:	
	NLS_NOM_SETT_VENT_PRESS_AWAY_END_EXP_POS	0x040251A8
	Observed Value:	0.5130
sSPEEP	NOM_VENT_PRESS_AWAY_END_EXP_POS Setting: Pressure Support PEEP	0x51A8
	Label:	
	NLS_NOM_SETT_VENT_PRESS_AWAY_END_EXP_POS_INTERMIT Observed Value:	0x0402F92C
	NOM SETT VENT PRESS AWAY END EXP POS INTERMIT	0xF92C
sMV	Setting: Minute Volume	
	Label: NLS NOM SETT VOL MINUTE AWAY	0x04025148
	Observed Value:	01101020110
	NOM_VOL_MINUTE_AWAY	0x5148
s02Mon	Setting: O2 Monitoring Label:	
	NLS_NOM_SETT_VENT_ANALY_CONC_GAS_O2_MODE	0x0402F90E
	Observed Value: NOM SETT VENT ANALY CONC GAS O2 MODE	0xF90E
sO2Cal	Setting: 02 Calibration	OAFJOE
	Label:	
	NLS_NOM_SETT_VENT_O2_CAL_MODE Observed Value:	0x0402F926
	NOM_SETT_VENT_O2_CAL_MODE	0xF926
sPmax	Setting: Maximum Pressure	
	Label: NLS NOM SETT VENT PRESS AWAY INSP MAX	0x0402F8BB
	Observed Value:	
sInsTi	NOM_PRESS_AWAY_INSP_MAX Setting: Inspiratory Time	0x5109
5111511	Label:	
	NLS_NOM_SETT_VENT_TIME_PD_INSP	0x0402F941
	Observed Value: NOM_SETT_VENT_TIME_PD_INSP	0xF941
sExpTi	Setting: Exhaled Time	
	Label:	00402E02E
	NLS_NOM_SETT_VENT_TIME_PD_EXP Observed Value:	0x0402F93F
	NOM_SETT_VENT_TIME_PD_EXP	0xF93F
sIE 1:	Setting: Inspiration to Expiration Ratio. Label:	
	NLS_NOM_SETT_RATIO_IE	0x04025118
	Observed Value:	05110
sRmpTi	NOM_RATIO_IE -	0x5118
<u>-</u>	Label:	

	NLS_NOM_SETT_VENT_TIME_PD_PMAX_INC_RAMP	0x0402FBB3
	Observed Value: NOM SETT VENT TIME PD PMAX INC RAMP	0xFBB3
sALMRT	Setting: Alarm Percentage on Rise Time.	UAFBBS
	Label: NLS NOM SETT VENT TIME PD RAMP AL	0x0402F946
	Observed Value:	
sRIiTiA	NOM_SETT_VENT_TIME_PD_RAMP_AL	0xF946
SKITITA	Label:	
	NLS_NOM_SETT_VENT_TIME_PD_RAMP_APNEA_RISE Observed Value:	0x0402FBB1
	NOM_SETT_VENT_TIME_PD_RAMP_APNEA_RISE	0xFBB1
sCPAP	Setting: Continuous Positive Airway Pressure Value Label:	
	NLS_NOM_SETT_PRESS_AWAY_CTS_POS	0x040250F4
	Observed Value: NOM PRESS AWAY CTS POS	0x50F4
sEPAP	NON_FRESS_AWAI_CIS_FOS	023014
	Label:	
	NLS_NOM_SETT_PRESS_AWAY_EXP_POS Observed Value:	0x0402FB8A
	NOM_SETT_PRESS_AWAY_EXP_POS	0xFB8A
sFlow	Setting: Flow Label:	
	NLS_NOM_SETT_VENT_FLOW	0x0402F91B
	Observed Value:	0
sPIP	NOM_SETT_VENT_FLOW Setting: Positive Inspiratory Pressure	0xF91B
	Label:	
	NLS_NOM_SETT_PRESS_AWAY_INSP_MAX Observed Value:	0x04025109
	NOM_PRESS_AWAY_INSP_MAX	0x5109
sPmin	Setting: Low Inspiratory Pressure Label:	
	NLS_NOM_SETT_PRESS_AWAY_MIN	0x040250F2
	Observed Value: NOM SETT PRESS AWAY MIN	0x50F2
sIPApn		
	Label: NLS_NOM_SETT_PRESS_AWAY_CTS_POS_APNEA	0x0402FB88
	Observed Value:	011011021200
sAInP	NOM_SETT_PRESS_AWAY_CTS_POS_APNEA	0xFB88
SAIIIF	Label:	
	NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_APNEA	0x0402FB8B
	Observed Value: NOM SETT VENT PRESS AWAY INSP APNEA	0xFB8B
sPItTi	-	
	Label: NLS NOM SETT PRESS AWAY INSP POS	0x0402FBB7
	Observed Value:	
sHFVFl	NOM_SETT_PRESS_AWAY_INSP_POS Setting: High Frequency Ventilation Flow	0xFBB7
	Label:	
	NLS_NOM_SETT_FLOW_AWAY_HFV Observed Value:	0x0402F8EB
	NOM_SETT_FLOW_AWAY_HFV	0xF8EB
sHFVRR	Setting: High Frequency Ventilation Respiration Rate Label:	
	NLS_NOM_SETT_AWAY_RESP_RATE_HFV	0x0402F8DF
	Observed Value:	Oveone
s02	NOM_SETT_AWAY_RESP_RATE_HFV Enumeration Type - denotes type of Instrument.	0xF8DF
	Label:	

	NLS_NOM_SETT_CONC_AWAY_O2	0x04025164
	Observed Value: NOM CONC AWAY 02	0x5164
sCMV	Setting: Controlled mechanical ventilation	0113101
	Label: NLS_NOM_SETT_VENT_MODE_MAND_CTS_ONOFF	0x0402F922
	Observed Value: NOM_SETT_VENT_MODE_MAND_CTS_ONOFF	0xF922
sSIMV	Setting: Synchronized intermittent mandatory ventilation Label:	
	NLS_NOM_SETT_VENT_MODE_SYNC_MAND_INTERMIT Observed Value:	0x0402F924
	NOM_SETT_VENT_MODE_SYNC_MAND_INTERMIT	0xF924
sMMV	Setting: Mandatory Minute Volume Label:	
	NLS_NOM_SETT_VENT_VOL_MINUTE_AWAY_MAND Observed Value:	0x040251CC
	NOM_SETT_VENT_VOL_MINUTE_AWAY_MAND	0x51CC
sDRate	Setting: Infusion Pump Delivery Rate Label:	
	NLS_NOM_SETT_FLOW_FLUID_PUMP	0x04026858
	Observed Value:	0,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
sPin	NOM_SETT_FLOW_FLUID_PUMP Setting: Pressure Ventilation Control Pressure	0x6858
	Label:	004005100
	NLS_NOM_SETT_PRESS_AWAY_INSP Observed Value:	0x04025108
	NOM_SETT_PRESS_AWAY_INSP	0x5108
sRRaw	Setting: Airway Respiration Rate. Used by the Ohmeda Ventil Label:	ator.
	NLS_NOM_SETT_VENT_RESP_RATE Observed Value:	0x04025022
sInsFl	NOM_AWAY_RESP_RATE Setting: Inspiratory Flow.	0x5012
SINSFI	Label:	
	NLS_NOM_SETT_FLOW_AWAY_INSP Observed Value:	0x0402F8EC
sExpFl	NOM_SETT_FLOW_AWAY_INSP Setting: Expiratory Flow	0xF8EC
SEXPFI	Label:	
	NLS_NOM_SETT_FLOW_AWAY_EXP Observed Value:	0x0402F8EA
	NOM SETT FLOW AWAY EXP	0xF8EA
sTrVol	Setting: Trigger Flow/Volume	
	Label: NLS_NOM_SETT_VENT_VOL_LUNG_TRAPD	0x040251B8
	Observed Value:	0
sAADel	NOM_SETT_VENT_VOL_LUNG_TRAPD Setting: Apnea Ventilation Delay	0x51B8
	Label:	
	NLS_NOM_SETT_APNEA_ALARM_DELAY Observed Value:	0x0402F8D9
	NOM_SETT_APNEA_ALARM_DELAY	0xF8D9
sHFVAm	Setting: HFV Amplitude (Peak to Peak Pressure) Label:	
	NLS_NOM_SETT_HFV_AMPL	0x0402F8F3
	Observed Value: NOM SETT HFV AMPL	0xF8F3
sMVDel	Setting: Minute Volume Alarm Delay	0111 01 0
	Label: NLS NOM SETT VOL MINUTE ALARM DELAY	0x0402F953
	Observed Value:	0110 1021 999
sTrqFl	NOM_SETT_VOL_MINUTE_ALARM_DELAY Setting: Flow Trigger - delivered by the Evita 2 Vuelink Dr	0xF953
PITALI	Label:	I V C.I

	NLS_NOM_SETT_VENT_FLOW_INSP_TRIG	0x0402F91D
	Observed Value: NOM_SETT_VENT_FLOW_INSP_TRIG	0xF91D
sPincR	Setting: Pressure Increase Rate	
	Label: NLS NOM SETT VENT AWAY PRESS RATE INCREASE	0x0402F912
	Observed Value:	0.04021312
	NOM_SETT_VENT_AWAY_PRESS_RATE_INCREASE	0xF912
sVmax	Setting: Volume Warning - delivered by the Evita 2 Vuelink I Label:	Driver
	NLS_NOM_SETT_VENT_VOL_LIMIT_AL_HI_ONOFF	0x0402F949
	Observed Value: NOM SETT VENT VOL LIMIT AL HI ONOFF	0xF949
loPmax	Setting: Low Maximum Airway Pressure Alarm Setting.	011 9 19
	Label:	004025055
	NLS_NOM_SETT_PRESS_AWAY_INSP_MAX_LIMIT_LO Observed Value:	0x0402F8FB
	NOM_SETT_PRESS_AWAY_INSP_MAX_LIMIT_LO	0xF8FB
sTVap	Setting: Applied Tidal Volume. Label:	
	NLS_NOM_SETT_VOL_AWAY_TIDAL_APPLIED	0x0402F952
	Observed Value:	
sSens	NOM_SETT_VOL_AWAY_TIDAL_APPLIED Setting: Assist Sensitivity. Used by the Bear 1000 ventilator	0xF952
	Label:	
	NLS_NOM_SETT_SENS_LEVEL Observed Value:	0x0402F904
	NOM_SETT_SENS_LEVEL	0xF904
sBkgFl	Setting: Background Flow Setting. Range is 2 - 30 1/min	
	Label: NLS NOM SETT VENT AWAY FLOW BACKGROUND	0x0402F90F
	Observed Value:	
sAGT	NOM_SETT_VENT_AWAY_FLOW_BACKGROUND Setting: Vaporizer concentration.	0xF90F
SAGI	Label:	
	NLS_NOM_SETT_FLOW_AWAY_AGENT	0x0402F876
	Observed Value: NOM CONC AWAY AGENT	0x5388
sISO	Setting: Vaporizer concentration for ISOflurane	
	Label: NLS NOM SETT CONC AWAY ISOFL	0x040251E8
	Observed Value:	0101023120
~ PNP	NOM_CONC_AWAY_ISOFL	0x51E8
sENF	Setting: Vaporizer concentration for ENFlurane Label:	
	NLS_NOM_SETT_CONC_AWAY_ENFL	0x040251DC
	Observed Value: NOM CONC AWAY ENFL	0x51DC
sHAL	Setting: Vaporizer concentration for HALothane	
	Label:	0x040251E0
	NLS_NOM_SETT_CONC_AWAY_HALOTH Observed Value:	0X040251E0
	NOM_CONC_AWAY_HALOTH	0x51E0
sDES	Setting: Vaporizer concentration for DESflurane Label:	
	NLS_NOM_SETT_CONC_AWAY_DESFL	0x040251D8
	Observed Value: NOM CONC AWAY DESFL	0x51D8
sSEV	Setting: Vaporizer concentration for SEVoflurane	UNDIDO
	Label:	00400515
	NLS_NOM_SETT_CONC_AWAY_SEVOFL Observed Value:	0x040251E4
	NOM_CONC_AWAY_SEVOFL	0x51E4
sfgAir	Setting: Total fresh gas Air flow on the mixer Label:	

	NLS_NOM_SETT_FLOW_AWAY_AIR	0x0402F877
	Observed Value:	0
sfg02	NOM_SETT_FLOW_AWAY_AIR Setting: Fresh gas oxygen Flow on the mixer	0xF877
21902	Label:	
	NLS_NOM_SETT_FLOW_AWAY_O2	0x0402F87F
	Observed Value:	
F D3	NOM_CONC_AWAY_02	0x5164
sfgFl	Setting: Total fresh gas Flow on the mixer Label:	
	NLS NOM SETT FLOW AWAY TOT	0x0402F881
	Observed Value:	
	NOM_SETT_FLOW_AWAY_TOT	0xF881
sfgN20	Setting: fresh gas N2O flow on the mixer Label:	
	NLS NOM SETT FLOW AWAY N2O	0x0402F87E
	Observed Value:	
	NOM_CONC_AWAY_N2O	0x51F0
sGasPr	Setting: Gas Sample point for the oxygen measurement	
	Label: NLS NOM SETT VENT GAS PROBE POSN	0x0402F920
	Observed Value:	0.004021320
	NOM_SETT_VENT_GAS_PROBE_POSN	0xF920
sO2Pr	Setting: Gas sample point for oxygen measurement	
	Label:	0x0402F927
	NLS_NOM_SETT_VENT_O2_PROBE_POSN Observed Value:	0.04021327
	NOM_SETT_VENT_O2_PROBE_POSN	0xF927
sTVin	Setting: inspired Tidal Volume	
	Label: NLS NOM SETT VOL AWAY INSP TIDAL	0x0402F0E0
	Observed Value:	0204021050
	NOM_SETT_VOL_AWAY_INSP_TIDAL	0xF0E0
sSenPr	-	
	Label: NLS NOM SETT VENT AWAY PRESS SENSE	0x0402FBB5
	Observed Value:	0X04021BB3
	NOM_SETT_VENT_AWAY_PRESS_SENSE	0xFBB5
sTemp	Desired Environmental Temperature	
	Label: NLS NOM SETT TEMP	004004540
	Observed Value:	0x04024B48
	Observed Value: NOM_SETT_TEMP	0x04024B48
sUrTi	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric	
sUrTi	<pre>NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label:</pre>	0x4B48
sUrTi	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD	
sUrTi	<pre>NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label:</pre>	0x4B48
sUrTi sTlow	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila	0x4B48 0x0402F8AF 0xF8AF
24-22	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label:	0x4B48 0x0402F8AF 0xF8AF tion Mode
24-22	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV	0x4B48 0x0402F8AF 0xF8AF
24-22	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label:	0x4B48 0x0402F8AF 0xF8AF tion Mode
24-22	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_EXP_APRV Setting: part of the Evita 4 Airway Pressure Release Ventila	0x4B48 0x0402F8AF 0xF8AF tion Mode 0x0402F940 0xF940
sTlow	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_EXP_APRV Setting: part of the Evita 4 Airway Pressure Release Ventila Label:	0x4B48 0x0402F8AF 0xF8AF tion Mode 0x0402F940 0xF940 tion Mode
sTlow	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_EXP_APRV Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV	0x4B48 0x0402F8AF 0xF8AF tion Mode 0x0402F940 0xF940
sTlow	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_EXP_APRV Setting: part of the Evita 4 Airway Pressure Release Ventila Label:	0x4B48 0x0402F8AF 0xF8AF tion Mode 0x0402F940 0xF940 tion Mode
sTlow	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_EXP_APRV Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_INSP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_INSP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_INSP_APRV	0x4B48 0x0402F8AF 0xF8AF tion Mode 0x0402F940 0xF940 tion Mode 0x0402F942
sTlow sThigh	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_EXP_APRV Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_INSP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_INSP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_INSP_APRV	0x4B48 0x0402F8AF 0xF8AF tion Mode 0x0402F940 0xF940 tion Mode 0x0402F942 0xF942
sTlow sThigh	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_EXP_APRV Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_INSP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_INSP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_INSP_APRV	0x4B48 0x0402F8AF 0xF8AF tion Mode 0x0402F940 0xF940 tion Mode 0x0402F942
sTlow sThigh	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_EXP_APRV Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_INSP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_INSP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_INSP_APRV	0x4B48 0x0402F8AF 0xF8AF tion Mode 0x0402F940 0xF940 tion Mode 0x0402F942 0xF942
sTlow sThigh	NOM_SETT_TEMP Setting: Preset period of time for the UrVol numeric Label: NLS_NOM_SETT_URINE_BAL_PD Observed Value: NOM_SETT_URINE_BAL_PD Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_EXP_APRV Setting: part of the Evita 4 Airway Pressure Release Ventila Label: NLS_NOM_SETT_VENT_TIME_PD_INSP_APRV Observed Value: NOM_SETT_VENT_TIME_PD_INSP_APRV	0x4B48 0x0402F8AF 0xF8AF tion Mode 0x0402F940 0xF940 tion Mode 0x0402F942 0xF942 0xF942

	NLS_NOM_SETT_VENT_TIME_PD_INSP_SYNC_APRV	0x0402FB8E
	Observed Value:	0
sPlow	NOM_SETT_VENT_TIME_PD_INSP_SYNC_APRV Setting: part of the Evita 4 Airway Pressure Release Ventila	0xFB8E
SPIOW	Label:	ition mode
	NLS NOM SETT VENT PRESS AWAY EXP APRV	0x0402F92D
	Observed Value:	
	NOM_SETT_VENT_PRESS_AWAY_EXP_APRV	0xF92D
sPhigh	Setting: part of the Evita 4 Airway Pressure Release Ventila	ation Mode
	Label:	
	NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_APRV	0x0402F92E
	Observed Value: NOM SETT VENT PRESS AWAY INSP APRV	0xF92E
sVolas	Setting: Volume Assist level for the CPAP mode	UAFJZE
5.0105	Label:	
	NLS_NOM_SETT_VENT_VOL_AWAY_ASSIST	0x0402F948
	Observed Value:	
	NOM_SETT_VENT_VOL_AWAY_ASSIST	0xF948
sFlas	Setting: Flow Assist level for the CPAP mode	
	Label:	0x0402F91C
	NLS_NOM_SETT_VENT_FLOW_AWAY_ASSIST Observed Value:	0X0402F91C
	NOM SETT VENT FLOW AWAY ASSIST	0xF91C
sCurnt	Setting: Preset stimulation current	
	Label:	
	NLS_NOM_SETT_EVOK_CURR	0x0402F8E7
	Observed Value:	
a Classes	NOM_SETT_EVOK_CURR	0xF8E7
sChrge	Setting: Preset stimulation charge Label:	
	NLS NOM SETT EVOK CHARGE	0x0402F8E6
	Observed Value:	
	NOM_SETT_EVOK_CHARGE	0xF8E6
sPulsD	Setting: Preset stimulation impulse duration	
	Label:	
	NLS_NOM_SETT_TIME_PD_EVOK Observed Value:	0x0402F908
	NOM SETT TIME PD EVOK	0xF908
sfmax	Setting: Panting Limit	0M1 300
	Label:	
	NLS_NOM_SETT_VENT_RESP_RATE_LIMIT_HI_PANT	0x0402F937
	Observed Value:	
	NOM_SETT_VENT_RESP_RATE_LIMIT_HI_PANT	0xF937
sHum	Setting: Humidity Label:	
	NLS_NOM_SETT_HUMID	0x0402F103
	Observed Value:	01101021203
	NOM_SETT_HUMID	0xF103
sHmCtl	-	
	Label:	
	NLS_NOM_SETT_HUMID_CNTRL_ONOFF Observed Value:	0x0402FAF8
	NOM SETT HUMID CNTRL ONOFF	0xFAF8
highP	Alarm Limit: High Pressure	0211110
J	Label:	
	NLS_NOM_SETT_VENT_PRESS_AWAY_LIMIT_HI	0x0402F930
	Observed Value:	
1 - DUED	NOM_SETT_VENT_PRESS_AWAY_LIMIT_HI	0xF930
lopeep	Alarm Limit: Low PEEP/CPAP Label:	
	NLS NOM VENT PRESS AWAY END EXP POS LIMIT LO	0x0002F8BA
	Observed Value:	222222222
	NOM_VENT_PRESS_AWAY_END_EXP_POS_LIMIT_LO	0xF8BA
sustP	Alarm Limit: Sustained Pressure Alarm Limit.	
	Label:	

	NLS NOM SETT VENT PRESS AWAY SUST LIMIT HI	0x0402F935
	Observed Value:	
	NOM_SETT_VENT_PRESS_AWAY_SUST_LIMIT_HI	0xF935
lowMV	Alarm Limit: Low Minute Volume Alarm Limit Label:	
	NLS_NOM_SETT_VENT_VOL_MINUTE_AWAY_LIMIT_LO Observed Value:	0x0402F94C
	NOM SETT VENT VOL MINUTE AWAY LIMIT LO	0xF94C
lowO2	Alarm Limit: Low Oxygen (O2) Alarm Limit	
	Label:	
	NLS_NOM_SETT_VENT_CONC_AWAY_O2_LIMIT_LO	0x0402F91A
	Observed Value: NOM SETT VENT CONC AWAY O2 LIMIT LO	0xF91A
highO2	Alarm Limit. High Oxygen (O2) Alarm Limit	0211 9 111
_	Label:	
	NLS_NOM_SETT_VENT_CONC_AWAY_O2_LIMIT_HI	0x0402F919
	Observed Value: NOM SETT VENT CONC AWAY O2 LIMIT HI	0xF919
highMV	Alarm Limit: High Minute Volume Alarm Limit	UMPJIJ
3	Label:	
	NLS_NOM_SETT_VENT_VOL_MINUTE_AWAY_LIMIT_HI	0x0402F94B
	Observed Value: NOM SETT VENT VOL MINUTE AWAY LIMIT HI	0**E04D
lowTV	Alarm Limit: Low Tidal Volume Alarm Limit	0xF94B
	Label:	
	NLS_NOM_SETT_VENT_VOL_TIDAL_LIMIT_LO	0x0402F94E
	Observed Value:	0
highTV	NOM_SETT_VENT_VOL_TIDAL_LIMIT_LO Alarm Limit: High Tidal Volume Alarm Limit	0xF94E
	Label:	
	NLS_NOM_SETT_VENT_VOL_TIDAL_LIMIT_HI	0x0402F94D
	Observed Value: NOM SETT VENT VOL TIDAL LIMIT HI	0xF94D
Num 1	Placeholder for Vuelink Flex Text	OALDAD
	Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM1	0x80AAF064
Num 2	depends on configuration Placeholder for Vuelink Flex Text	
Nuiii 2	Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM2	0x80AAF066
	depends on configuration	
Num 3	Placeholder for Vuelink Flex Text Label:	
	NLS VUELINK FLX1 NPS TEXT NUM3	0x80AAF068
	depends on configuration	
Num 4	Placeholder for Vuelink Flex Text	
	Label: NLS VUELINK FLX1 NPS TEXT NUM4	0x80AAF06A
	depends on configuration	OXOOAHI OOH
Num 5	Placeholder for Vuelink Flex Text	
	Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM5 depends on configuration	0x80AAF06C
Num 6	Placeholder for Vuelink Flex Text	
	Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM6	0x80AAF06E
Num 7	depends on configuration Placeholder for Vuelink Flex Text	
	Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM7	0x80AAF070
NT C	depends on configuration	
Num 8	Placeholder for Vuelink Flex Text Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM8	0x80AAF072
	depends on configuration	

Num 9	Placeholder for Vuelink Flex Text Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM9 depends on configuration	0x80AAF074
Num 10	Placeholder for Vuelink Flex Text Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM10 depends on configuration	0x80AAF076
Num 11	Placeholder for Vuelink Flex Text	
	Label: NLS_VUELINK_FLX1_NPS_TEXT_NUM11	0x80AAF078
Num 10	depends on configuration Placeholder for Vuelink Flex Text	
Num 12	Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM12 depends on configuration	0x80AAF07A
Num 13	Placeholder for Vuelink Flex Text	
	Label: NLS VUELINK FLX1 NPS TEXT NUM13	0x80AAF07C
	depends on configuration	
Num 14	Placeholder for Vuelink Flex Text Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM14	0x80AAF07E
Num 15	depends on configuration Placeholder for Vuelink Flex Text	
	Label:	000777000
	NLS_VUELINK_FLX1_NPS_TEXT_NUM15 depends on configuration	0x80AAF080
Num 16	Placeholder for Vuelink Flex Text	
	Label: NLS_VUELINK_FLX1_NPS_TEXT_NUM16	0x80AAF082
Num 17	depends on configuration Placeholder for Vuelink Flex Text	
Nulli 17	Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM17 depends on configuration	0x80AAF084
Num 18	Placeholder for Vuelink Flex Text	
	Label: NLS VUELINK FLX1 NPS TEXT NUM18	0x80AAF086
	depends on configuration	
Num 19	Placeholder for Vuelink Flex Text Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM19	0x80AAF088
Num 20	depends on configuration Placeholder for Vuelink Flex Text	
	Label: NLS VUELINK FLX1 NPS TEXT NUM20	0x80AAF08A
	depends on configuration	AUU IAAUUAU
Num 21	Placeholder for Vuelink Flex Text Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM21	0x80AAF08C
Num 22	depends on configuration Placeholder for Vuelink Flex Text	
	Label:	000778000
	NLS_VUELINK_FLX1_NPS_TEXT_NUM22 depends on configuration	0x80AAF08E
Num 23	Placeholder for Vuelink Flex Text Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM23	0x80AAF090
Num 24	depends on configuration Placeholder for Vuelink Flex Text	
114111 27	Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_NUM24 depends on configuration	0x80AAF092
PCT	Procalcitonin	

	Label:	
	NLS_NOM_CONC_PCT	0x0002F17D
	Observed Value:	
	NOM_CONC_PCT	0xF17D
	Units: NOM DIM PICO G PER ML	0x0875
	NOM_DIM_PICO_G_PER_ML NOM_DIM_NANO_G_PER_L	0x0873
Quick	Thromboplastine Time	0110011
2	Label:	
	NLS_NOM_TIME_PD_THROMBOPLAS	0x0002F193
	Observed Value:	
	NOM_TIME_PD_THROMBOPLAS	0xF193
	Units:	
****	NOM_DIM_SEC	0x0880
HDL	High Density Lipoprotein	
	Label: NLS NOM CONC HDL	0x0002F170
	Observed Value:	0X0002F170
	NOM CONC HDL	0xF170
	Units:	
	NOM_DIM_MILLI_MOLE_PER_L	0x1272
	NOM_DIM_MILLI_G_PER_DL	0x0852
LDL	Low Density Lipoprotein	
	Label:	
	NLS_NOM_CONC_LDL	0x0002F171
	Observed Value: NOM CONC LDL	0xF171
	Units:	UXF1/1
	NOM DIM MILLI MOL PER L	
	NOM DIM MILLI G PER DL	0x0852
CRP	C-reactive Protein	
	Label:	
	NLS_NOM_CONC_CRP	0x0002F183
	Observed Value:	
	NOM_CONC_CRP	0xF183
	Units: NOM_DIM_MILLI_G_PER_L	0x0812
	NOM DIM MILLI G PER DL	0x0812
UrHb	Hemoglobin (Urine)	0110002
	Label:	
	NLS_NOM_CONC_HB_URINE	0x0002F19E
	Observed Value:	
	NOM_CONC_HB_URINE	0xF19E
	Units:	00040
	NOM_DIM_X_G_PER_DL NOM DIM X G PER L	0x0840 0x0800
	NOM_DIM_A_G_PER_L NOM_DIM_MILLI MOLE PER_L	0x0800 0x1272
ApneaD	Apnea Time	UKIZ/Z
1	Label:	
	NLS_NOM_TIME_PD_APNEA	0x00025130
	Observed Value:	
	NOM_TIME_PD_APNEA	0x5130
FICO2	Airway CO2 inspiration	
	Label:	000005160
	NLS_NOM_VENT_CONC_AWAY_CO2_INSP Observed Value:	0x00025160
	NOM VENT CONC AWAY CO2 INSP	0x5160
	Units:	0110100
	NOM DIM PERCENT	
HLMfl		
	Label:	
	NLS_NOM_FLOW_PUMP_HEART_LUNG_MAIN	0x0002F974
	Observed Value:	
	NOM_FLOW_PUMP_HEART_LUNG_MAIN	0xF974
	Units:	

SlvPfl		
	Label: NLS_NOM_FLOW_PUMP_HEART_LUNG_SLAVE	0x0002F975
	Observed Value: NOM FLOW PUMP HEART LUNG SLAVE	0xF975
	Units:	
SucPfl		
	Label: NLS_NOM_FLOW_PUMP_HEART_LUNG_SUCTION	0x0002F976
	Observed Value: NOM FLOW PUMP HEART LUNG SUCTION	0xF976
	Units:	
AuxPfl	Tabal	
	Label: NLS_NOM_FLOW_PUMP_HEART_LUNG_AUX	0x0002F977
	Observed Value: NOM FLOW PUMP HEART LUNG AUX	0xF977
	Units:	
PlePfl	Label:	
	NLS_NOM_FLOW_PUMP_HEART_LUNG_CARDIOPLEGIA_MAIN	0x0002F978
	Observed Value: NOM_FLOW_PUMP_HEART_LUNG_CARDIOPLEGIA_MAIN	0xF978
	Units:	
SplPfl	Label:	
	NLS_NOM_FLOW_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE Observed Value:	0x0002F979
	NOM_FLOW_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE	0xF979
	NOM_FLOW_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE Units:	0xF979
DeltaP		0xF979
DeltaP	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF	0x0002F968
DeltaP	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF	
DeltaP	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value:	0x0002F968
DeltaP DeltaP1	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units:	0x0002F968 0xF968
	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label:	0x0002F968 0xF968 0x0F20 0x0F03
	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_1 Observed Value:	0x0002F968 0xF968 0x0F20 0x0F03
	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_1 Observed Value: NOM_PRESS_BLD_DIFF_GEN_1 Units:	0x0002F968 0xF968 0x0F20 0x0F03 0x0002F96C
	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_1 Observed Value: NOM_PRESS_BLD_DIFF_GEN_1	0x0002F968 0xF968 0x0F20 0x0F03
	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_1 Observed Value: NOM_PRESS_BLD_DIFF_GEN_1 Units: NOM_DIM_MMHG	0x0002F968 0xF968 0x0F20 0x0F03 0x0002F96C 0xF96C 0x0F20
DeltaP1	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_1 Observed Value: NOM_PRESS_BLD_DIFF_GEN_1 Units: NOM_PRESS_BLD_DIFF_GEN_1 Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 2 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_2	0x0002F968 0xF968 0x0F20 0x0F03 0x0002F96C 0xF96C 0x0F20
DeltaP1	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_1 Observed Value: NOM_PRESS_BLD_DIFF_GEN_1 Units: NOM_PRESS_BLD_DIFF_GEN_1 Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 2 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_2 Observed Value: NOM_PRESS_BLD_DIFF_GEN_2	0x0002F968 0xF968 0x0F20 0x0F03 0x0002F96C 0xF96C 0xF96C 0x0F20 0x0F03
DeltaP1	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_1 Observed Value: NOM_PRESS_BLD_DIFF_GEN_1 Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 2 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_2 Observed Value: NOM_PRESS_BLD_DIFF_GEN_2 Units: NOM_DIM_MMHG	0x0002F968 0xF968 0x0F20 0x0F03 0x0002F96C 0xF96C 0x0F20 0x0F03 0x0002F970 0xF970 0xF970
DeltaP1	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_1 Observed Value: NOM_PRESS_BLD_DIFF_GEN_1 Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 2 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_2 Observed Value: NOM_PRESS_BLD_DIFF_GEN_2 Units:	0x0002F968 0xF968 0x0F20 0x0F03 0x0002F96C 0xF96C 0x0F20 0x0F03 0x0002F970 0xF970
DeltaP1 DeltaP2	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_1 Observed Value: NOM_PRESS_BLD_DIFF_GEN_1 Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 2 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_2 Observed Value: NOM_PRESS_BLD_DIFF_GEN_2 Units: NOM_PRESS_BLD_DIFF_GEN_2 Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Label:	0x0002F968 0xF968 0x0F20 0x0F03 0x0002F96C 0xF96C 0x0F20 0x0F03 0x0002F970 0xF970 0xF970 0x0F20 0x0F20 0x0F20
DeltaP1 DeltaP2	Units: Blood Pressure difference Label: NLS_NOM_PRESS_BLD_DIFF Observed Value: NOM_PRESS_BLD_DIFF Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 1 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_1 Observed Value: NOM_PRESS_BLD_DIFF_GEN_1 Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL Blood Pressure difference 2 (generic) Label: NLS_NOM_PRESS_BLD_DIFF_GEN_2 Observed Value: NOM_PRESS_BLD_DIFF_GEN_2 Units: NOM_DIM_MMHG NOM_PRESS_BLD_DIFF_GEN_2 Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL	0x0002F968 0xF968 0x0F20 0x0F03 0x0002F96C 0xF96C 0x0F20 0x0F03 0x0002F970 0xF970 0xF970

0x0002F983

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			o	

AxOffT

Label:

NLS_NOM_TIME_PD_PUMP_HEART_LUNG_AUX_SINCE_STOP 0x0002F97B

Observed Value:

NOM TIME PD PUMP HEART LUNG AUX SINCE STOP 0xF97B

Units:

AxDVol

Label:

NLS NOM VOL DELIV PUMP HEART LUNG AUX 0x0002F97C

Observed Value:

NOM VOL DELIV PUMP HEART LUNG AUX 0xF97C

Units:

AxTVol

Label:

NLS_NOM_VOL_DELIV_TOTAL_PUMP_HEART_LUNG_AUX 0x0002F97D

Observed Value:

NOM VOL DELIV TOTAL PUMP HEART LUNG AUX 0xF97D

Units:

AxPlTi

Label:

NLS NOM TIME PD PLEGIA PUMP HEART LUNG AUX 0x0002F97E

Observed Value:

NOM TIME PD PLEGIA PUMP HEART LUNG AUX 0xF97E

Units:

CpOnTi

Label:

NLS_NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLEGIA_MAIN_SINCE_START 0x0002F97F

Observed Value:

NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLEGIA_MAIN_SINCE_START 0xF97F

Units:

CpOffT

Label:

NLS_NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLEGIA_MAIN_SINCE_STOP 0x0002F980

Observed Value:

NOM TIME PD PUMP HEART LUNG CARDIOPLEGIA MAIN SINCE STOP 0xF980

Units:

CpDVol

Label:

NLS NOM VOL DELIV PUMP HEART LUNG CARDIOPLEGIA MAIN 0x0002F981

Observed Value:

NOM_VOL_DELIV_PUMP_HEART_LUNG_CARDIOPLEGIA_MAIN 0xF981

Units:

CpTVol

Label:

NLS NOM VOL DELIV TOTAL PUMP HEART LUNG CARDIOPLEGIA MAIN 0x0002F982

Observed Value:

NOM_VOL_DELIV_TOTAL_PUMP_HEART_LUNG_CARDIOPLEGIA_MAIN 0xF982

Units:

CpPlTi

Label:

NLS NOM TIME PD PLEGIA PUMP HEART LUNG CARDIOPLEGIA MAIN

Observed Value:

NOM_TIME_PD_PLEGIA_PUMP_HEART_LUNG_CARDIOPLEGIA_MAIN 0xF983

Units:

CsOnTi	Label: NLS_NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE_SINCE_STA	ART 0x0002F984
	NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE_SINCE_START Units:	0xF984
CsOffT		
	Label: NLS_NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE_SINCE_STORMS Observed Value:	OP 0x0002F985
	NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE_SINCE_STOP Units:	0xF985
CsDVol		
	Label: NLS_NOM_VOL_DELIV_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE	0x0002F986
	Observed Value: NOM_VOL_DELIV_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE Units:	0xF986
CsTVol		
	Label: NLS_NOM_VOL_DELIV_TOTAL_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE	0x0002F987
	Observed Value: NOM VOL DELIV TOTAL PUMP HEART LUNG CARDIOPLEGIA SLAVE	0xF987
	Units:	
CsPlTi	Tahal	
	Label: NLS_NOM_TIME_PD_PLEGIA_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE	0x0002F988
	Observed Value: NOM_TIME_PD_PLEGIA_PUMP_HEART_LUNG_CARDIOPLEGIA_SLAVE Units:	0xF988
StO2	O2 Saturation (tissue)	
	Label: NLS_NOM_SAT_O2_TISSUE	0x0002F960
	Observed Value: NOM SAT O2 TISSUE	0xF960
	Units:	0x0220
CSI	NOM_DIM_PERCENT	0.0220
	Label: NLS_NOM_CEREB_STATE_INDEX	0x0002F961
	Observed Value: NOM CEREB STATE INDEX	0xF961
	Units:	
Tin/Tt		
	Label: NLS_NOM_RATIO_INSP_TOTAL_BREATH_SPONT	0x0002F990
	Observed Value: NOM_RATIO_INSP_TOTAL_BREATH_SPONT	0xF990
	Units:	
PEinsp	Respiration Pressure Plateau Label:	
	NLS_NOM_VENT_PRESS_RESP_PLAT Observed Value:	0x00025368
	NOM_VENT_PRESS_RESP_PLAT Units:	0x5368
	UNILES:	
tPEEP	Label:	

NLS NOM VENT PRESS AWAY END EXP POS TOTAL 0x0002F991 Observed Value: NOM_VENT_PRESS_AWAY_END_EXP_POS_TOTAL 0xF991 Units: NOM DIM MILLI BAR 0x0F72 Cpav Label: NLS_NOM_COMPL_LUNG_PAV 0x0002F992 Observed Value: NOM COMPL LUNG PAV 0xF992 Units: Epav Label: NLS NOM ELAS LUNG PAV 0x0002F995 Observed Value: NOM ELAS LUNG PAV 0xF995 Units: Rpav Label: NLS_NOM_RES_AWAY_PAV 0x0002F993 Observed Value: NOM RES AWAY PAV 0xF993 Units: sEppv Label: NLS NOM SETT ELAS LUNG PPV 0x0402FBAF Observed Value: NOM_SETT_ELAS_LUNG_PPV 0xFBAF sRppv Label: NLS NOM SETT RES AWAY PPV 0x0402FBB0 Observed Value: NOM_SETT_RES_AWAY_PPV 0xFBB0 Units: UNDEFINED Rtot Label: NLS_NOM_RES_AWAY_EXP_TOTAL 0x0002F994 Observed Value: NOM RES AWAY EXP TOTAL 0xF994 Units: RSBInm Label: NLS NOM BREATH RAPID SHALLOW INDEX NORM 0x0002F996 Observed Value: NOM BREATH RAPID SHALLOW INDEX NORM 0xF996 Units: iTemp Infrared Temp Label: NLS_NOM_TEMP_INFRARED 0x0002FB4A Observed Value: NOM TEMP INFRARED 0xFB4A Units: NOM DIM DEGC 0x17A0 NOM DIM FAHR 0x1140 Infrared Temp Core iTcore Label: NLS_NOM_TEMP_CORE_INFRARED 0x0002FB4F Observed Value: NOM_TEMP_CORE_INFRARED 0xFB4F

	Units:	
	NOM_DIM_DEGC	0x17A0
	NOM_DIM_FAHR	0x1140
iTrect	Infrared Temp Rectal	
	Label:	
	NLS_NOM_TEMP_RECT_INFRARED	0x0002FB4E
	Observed Value: NOM TEMP RECT INFRARED	0xFB4E
	Units:	OXFB4E
	NOM DIM DEGC	0x17A0
	NOM DIM FAHR	0x1140
iToral	Infrared Temp Oral	
	Label:	
	NLS_NOM_TEMP_ORAL_INFRARED	0x0002FB4C
	Observed Value:	
	NOM_TEMP_ORAL_INFRARED	0xFB4C
	Units: NOM DIM DEGC	0x17A0
	NOM DIM FAHR	0x1140
iTtymp	Infrared Temp Tympanic	
	Label:	
	NLS_NOM_TEMP_TYMP_INFRARED	0x0002FB4B
	Observed Value:	
	NOM_TEMP_TYMP_INFRARED	0xFB4B
	Units:	01770
	NOM_DIM_DEGC NOM DIM FAHR	0x17A0 0x1140
iTaxil	Infrared Temp Axillary	OXII40
	Label:	
	NLS_NOM_TEMP_AXIL_INFRARED	0x0002FB4D
	Observed Value:	
	NOM_TEMP_AXIL_INFRARED	0xFB4D
	Units:	0.1570
	NOM_DIM_DEGC	0x17A0
Tair	NOM_DIM_FAHR Air Temperature in the Incubator	0x1140
IGII	Label:	
	NLS NOM TEMP AIR INCUB	0x0002F12A
	Observed Value:	
	NOM_TEMP_AIR_INCUB	0xF12A
DFHR	Direct Fetal Heart Rate	
	Label:	00.000 F0.0F
	NLS_NOM_ECG_CARD_BEAT_RATE_FETAL Observed Value:	0x0002F0CF
	NOM ECG CARD BEAT RATE FETAL	0xF0CF
bDFHR	Any DECG	0111 001
	Label:	
	NLS_NOM_ECG_CARD_BEAT_RATE_FETAL_BTB	0x0002F0D0
	Observed Value:	
	NOM_ECG_CARD_BEAT_RATE_FETAL_BTB	0xF0D0
	Units:	00770
FHR	NOM_DIM_BEAT_PER_MIN Fetal Heart Rate	0x0AA0
TIIK	Label:	
	NLS NOM USOUND CARD BEAT RATE FETAL	0x0002F0CB
	Observed Value:	
	NOM_USOUND_CARD_BEAT_RATE_FETAL	0xF0CB
DFHR1	DECG	
	Label:	001465400
	NLS_OB_NAMES_ECG_CARD_BEAT_RATE_FETAL_1 Observed Value:	0x814C5432
	NOM ECG CARD BEAT RATE FETAL	0xF0CF
	Units:	3A1 0 C1
	NLS_NOM_DIM_BEAT_PER_MIN	
FHR1	Fetal heardrate from US	

	Label:	
	NLS_OB_NAMES_USOUND_CARD_BEAT_RATE_FETAL_1	0x814C5401
	Observed Value: NOM USOUND CARD BEAT RATE FETAL	0xF0CB
	Units:	UNFUCD
	NLS_NOM_DIM_BEAT_PER_MIN	
DFHR2	DECG Label:	
	NLS OB NAMES ECG CARD BEAT RATE FETAL 2	0x814C5434
	Observed Value:	
	NOM_ECG_CARD_BEAT_RATE_FETAL Units:	0xF0CF
	NLS NOM DIM BEAT PER MIN	
FHR2	Fetal heardrate from US	
	Label: NLS OB NAMES USOUND CARD BEAT RATE FETAL 2	0x814C5403
	Observed Value:	01101100100
	NOM_USOUND_CARD_BEAT_RATE_FETAL	0xF0CB
	Units: NLS NOM DIM BEAT PER MIN	
DFHR3	DECG	
	Label:	001405426
	NLS_OB_NAMES_ECG_CARD_BEAT_RATE_FETAL_3 Observed Value:	0x814C5436
	NOM_ECG_CARD_BEAT_RATE_FETAL	0xF0CF
	Units: NLS NOM DIM BEAT PER MIN	
FHR3	Fetal heardrate from US	
	Label:	
	NLS_OB_NAMES_USOUND_CARD_BEAT_RATE_FETAL_3 Observed Value:	0x814C5405
	NOM_USOUND_CARD_BEAT_RATE_FETAL	0xF0CB
	Units:	
btbFHR	NLS_NOM_DIM_BEAT_PER_MIN Beat-To-Beat Fetal Heart Rate	
2021111	Label:	
	NLS_NOM_USOUND_CARD_BEAT_RATE_FETAL_BTB	0x0002F0CC
	Observed Value: NOM USOUND CARD BEAT RATE FETAL BTB	0xF0CC
bDFHR1	DECG	
	Label: NLS OB NAMES ECG CARD BEAT RATE FETAL BTB 1	0x814C5438
	Observed Value:	0.001403436
	NOM_ECG_CARD_BEAT_RATE_FETAL_BTB	0xF0D0
	Units: NLS NOM DIM BEAT PER MIN	
bFHR1	Fetal heardrate from US	
	Label:	
	NLS_OB_NAMES_USOUND_CARD_BEAT_RATE_FETAL_BTB_1 Observed Value:	0x814C5407
	NOM_USOUND_CARD_BEAT_RATE_FETAL_BTB	0xF0CC
	Units:	
bDFHR2	NLS_NOM_DIM_BEAT_PER_MIN DECG	
	Label:	
	NLS_OB_NAMES_ECG_CARD_BEAT_RATE_FETAL_BTB_2 Observed Value:	0x814C543A
	NOM ECG CARD BEAT RATE FETAL BTB	0xF0D0
	Units:	
bFHR2	NLS_NOM_DIM_BEAT_PER_MIN Fetal heardrate from US	
DriikZ	Label:	
	NLS_OB_NAMES_USOUND_CARD_BEAT_RATE_FETAL_BTB_2	0x814C5409
	Observed Value: NOM USOUND CARD BEAT RATE FETAL BTB	0xF0CC
		021 000

Units: NLS NOM DIM BEAT PER MIN bDFHR3 DECG Label: NLS OB NAMES ECG CARD BEAT RATE FETAL BTB 3 0x814C543C Observed Value: NOM [ECG_CARD_BEAT_RATE_FETAL_BTB 0xF0D0 Units: NLS NOM DIM BEAT PER MIN bFHR3 Fetal heardrate from US Label: NLS OB NAMES USOUND CARD BEAT RATE FETAL BTB 3 0x814C540B Observed Value: NOM USOUND CARD BEAT RATE FETAL BTB 0xF0CC Units: NLS_NOM_DIM_BEAT_PER_MIN Pulse Rate from Toco Pulse Label: NLS_NOM_PLETH_PULS_RATE_ABDOM 0x0002F9A4 Observed Value: NOM_PLETH_PULS_RATE_ABDOM 0xF9A4 Units: NOM DIM BEAT PER MIN 0x0AA0 Toco Uterine Activity Label: NLS_NOM_TOCO 0x0002F0D4 Observed Value: NOM TOCO 0xF0D4 IUP Intra-Uterine Pressure Label: NLS_NOM_PRESS_INTRA_UTERAL 0x0002F0D8 Observed Value: NOM PRESS BLD 0x4A00 Units: NOM DIM MMHG 0x0F20 NOM_DIM_KILO_PASCAL 0x0F03

Enumerations

EctSta ECG Ectopic Status label

Label:

NLS_NOM_ECG_STAT_ECT

Values:

0x0002D006

Nomen	Description	Value
NOM_ECG_V_P_C_RUN	Run PVCs	0x4290
NOM_ECG_PACING_NON_CAPT	Pacer not capture	0x40C0
NOM_ECG_PACER_NOT_PACING	pacer not paced	0x41E0
NOM_ECG_BEAT_MISSED	missed beat	0x4058
NOM_ECG_SV_P_C_FREQUENT	frequent SVPB's	0x42F0
NOM_ECG_SV_P_C	SVPB	0x4220
NOM_ECG_SV_BEAT	SV beats	0x4208
NOM_ECG_PACED_BEAT	paced beats	0x40A8
NOM_ECG_V_P_C_PAIR	pair PVC's	0x4280
NOM_ECG_V_P_C_MULTIFOCAL	multiform PVC's	0x4278
NOM_ECG_V_P_C_RonT	R on T PVC's	0x42A0
NOM_ECG_ECT_ABSENT	no ectopic status	0x4308

RytSta ECG Rhythm Status label

Label:

NLS_NOM_ECG_STAT_RHY

Values:

0x0002D007

Nomen	Description	Value
NOM_ECG_ASY_RHY	Asystole	0x4003
NOM_ECG_V_FIB_TACHY_RHY	Vent Fib/Tach	0x4020
NOM_ECG_LEARN_RHY	Learning Rhythm	0x4002
NOM_ECG_LEARN	Learning ECG	0x4528
NOM_ECG_V_TACHY_RHY	Vtach	0x401A
NOM_ECG_V_TACHY_RHY_SUST	Sustained VT	0x401B
NOM_ECG_V_RHY	Vent Rhythm	0x4018
NOM_ECG_V_BIGEM_RHY	Vent Bigeminy	0x4017
NOM_ECG_V_TRIGEM_RHY	Vent Trigeminy	0x401C
NOM_ECG_PACED_RHY	Paced Rhythm	0x4009
NOM_ECG_RHY_IRREG	Irregular HR	0x400D
NOM_ECG_SINUS_BRADY_RHY	Sinus Brady	0x4013
NOM_ECG_SINUS_RHY	Sinus Rhythm	0x4012
NOM_ECG_SINUS_TACHY_RHY	Sinus Tach	0x4014
NOM_ECG_SV_BRADY_RHY	SV Brady	0x4210
NOM_ECG_SV_RHY	SV Rhythm	0x4015
NOM_ECG_SV_TACHY_RHY	SV Tach	0x4016
NOM_ECG_RHY_UNK	Unknown ECG Rhythm	0x4010

Nomen	Description	Value
NOM_ECG_RHY_UNANALYZEABLE	Cannot Analyze ECG	0x4011
NOM_ECG_RHY_ABSENT		0x400B
NOM_ECG_RHY_NOS		0x403F
NOM_ECG_RHY	ECG Rhythm	0x400A

Waves

ECG	Unspecific ECG wave Label:	
	NLS_NOM_ECG_ELEC_POTL	0x00020100
	Observed Value: NOM_ECG_ELEC_POTL	0x0100
	Units: NOM DIM MILLI VOLT	0x10B2
I	ECG Lead I	
	Label: NLS NOM ECG ELEC POTL I	0x00020101
	Observed Value:	
	NOM_ECG_ELEC_POTL_I Units:	0x0101
	NOM DIM MILLI VOLT	0x10B2
II	ECG Lead II	
	Label:	
	NLS_NOM_ECG_ELEC_POTL_II Observed Value:	0x00020102
	NOM_ECG_ELEC_POTL_II	0x0102
	Units: NOM DIM MILLI VOLT	0x10B2
III	ECG Lead III	UXIUBZ
	Label:	
	NLS_NOM_ECG_ELEC_POTL_III Observed Value:	0x0002013D
	NOM_ECG_ELEC_POTL_III	0x013D
	Units:	0 1000
aVR	NOM_DIM_MILLI_VOLT ECG Lead AVR	0x10B2
avĸ	Label:	
	NLS_NOM_ECG_ELEC_POTL_AVR	0x0002013E
	Observed Value:	
	NOM_ECG_ELEC_POTL_AVR Units:	0x013E
	NOM_DIM_MILLI_VOLT	0x10B2
aVL	ECG Lead AVL	
	Label: NLS NOM ECG ELEC POTL AVL	0x0002013F
	Observed Value:	0X00020131
	NOM_ECG_ELEC_POTL_AVL	0x013F
	Units: NOM DIM MILLI VOLT	0x10B2
aVF	ECG Lead AVF	0111022
	Label:	
	NLS_NOM_ECG_ELEC_POTL_AVF Observed Value:	0x00020140
	NOM_ECG_ELEC_POTL_AVF	0x0140
	Units:	01000
V	NOM_DIM_MILLI_VOLT ECG Lead V	0x10B2
	Label:	
	NLS_NOM_ECG_ELEC_POTL_V	0x00020143
	Observed Value:	0x0143
	NOM_ECG_ELEC_POTL_V	UXU143

	Units:	
	NOM_DIM_MILLI_VOLT	0x10B2
MCL	ECG Lead MCL	
	Label: NLS NOM ECG ELEC POTL MCL	0x0002014B
	Observed Value:	01100011111
	NOM_ECG_ELEC_POTL_MCL	0x014B
	Units: NOM DIM MILLI VOLT	0x10B2
V1	ECG Lead V1	UNIUBZ
	Label:	
	NLS_NOM_ECG_ELEC_POTL_V1	0x00020103
	Observed Value: NOM ECG ELEC POTL V1	0x0103
	Units:	
	NOM_DIM_MILLI_VOLT	0x10B2
V2	ECG Lead V1 Label:	
	NLS NOM ECG ELEC POTL V2	0x00020104
	Observed Value:	
	NOM_ECG_ELEC_POTL_V2 Units:	0x0104
	NOM DIM MILLI VOLT	0x10B2
V3	ECG Lead V1	
	Label:	
	NLS_NOM_ECG_ELEC_POTL_V3 Observed Value:	0x00020105
	NOM_ECG_ELEC_POTL_V3	0x0105
	Units:	01.000
V4	NOM_DIM_MILLI_VOLT ECG Lead V1	0x10B2
	Label:	
	NLS_NOM_ECG_ELEC_POTL_V4	0x00020106
	Observed Value: NOM ECG ELEC POTL V4	0x0106
	Units:	0110100
	NOM_DIM_MILLI_VOLT	0x10B2
V5	ECG Lead V1 Label:	
	NLS_NOM_ECG_ELEC_POTL_V5	0x00020107
	Observed Value:	
	NOM_ECG_ELEC_POTL_V5 Units:	0x0107
	NOM DIM MILLI VOLT	0x10B2
V6	ECG Lead V1	
	Label: NLS_NOM_ECG_ELEC_POTL_V6	0x00020108
	Observed Value:	0X00020100
	NOM_ECG_ELEC_POTL_V6	0x0108
	Units: NOM DIM MILLI VOLT	0x10B2
V7	-	UNIUBZ
	Label:	
	NLS_NOM_ECG_ELEC_POTL_V7 Observed Value:	0x00020109
	NOM ECG ELEC POTL V7	0x0109
V8		
	Label:	00000147
	NLS_NOM_ECG_ELEC_POTL_V8 Observed Value:	0x00020147
	NOM_ECG_ELEC_POTL_V8	0x0147
V9	- Tobal	
	Label: NLS NOM ECG ELEC POTL V9	0x000201FC
	Observed Value:	

1125	NOM_ECG_ELEC_POTL_V9	0x01FC
V3R	Label:	00000100
	NLS_NOM_ECG_ELEC_POTL_V3R Observed Value:	0x0002010B
	NOM_ECG_ELEC_POTL_V3R Units:	0x010B
V4R	-	
	Label: NLS_NOM_ECG_ELEC_POTL_V4R	0x0002010C
	Observed Value: NOM_ECG_ELEC_POTL_V4R	0x010C
V5R	- Label:	
	NLS_NOM_ECG_ELEC_POTL_V5R	0x0002010D
	Observed Value:	
V6R	NOM_ECG_ELEC_POTL_V5R	0x010D
VOR	Label:	
	NLS_NOM_ECG_ELEC_POTL_V6R	0x0002010E
	Observed Value:	
MCL1	NOM_ECG_ELEC_POTL_V6R ECG_Lead_MCL1	0x010E
мент	Label:	
	NLS_NOM_ECG_ELEC_POTL_MCL1	0x0002014C
	Observed Value:	
	NOM_ECG_ELEC_POTL_MCL1 Units:	0x014C
	NOM DIM MILLI VOLT	0x10B2
Pleth	PLETH wave label	
	Label:	
	NLS_NOM_PULS_OXIM_PLETH Observed Value:	0x00024BB4
	NOM PLETH	0x4BB4
	Units:	
Dlathm	NOM_DIM_DIMLESS Pleth wave from Telemetry	0x0200
PlethT	Label:	
	NLS_NOM_PULS_OXIM_PLETH_TELE	0x0002F09B
	Observed Value:	
	NOM_PULS_OXIM_PLETH_TELE Units:	0xF09B
	NOM DIM DIMLESS	0x0200
PLETH1	PLETH wave (left)	
	Label:	000000000
	NLS_NOM_PULS_OXIM_PLETH_LEFT Observed Value:	0x0002F08D
	NOM_PULS_OXIM_PLETH_LEFT Units:	0xF08D
	NOM DIM DIMLESS	0x0200
PLETHr	PLETH wave (right)	
	Label: NLS NOM PULS OXIM PLETH RIGHT	0x0002F08C
	Observed Value:	0200021000
	NOM_PULS_OXIM_PLETH_RIGHT	0xF08C
	Units:	00200
ABP	NOM_DIM_DIMLESS Arterial Blood Pressure (ABP)	0x0200
	Label:	
	NLS_NOM_PRESS_BLD_ART_ABP	0x00024A14
	Observed Value: NOM PRESS BLD ART ABP	0x4A14
	Units:	OWINII
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03

ART	Arterial Blood Pressure (ART)	
	Label:	000004710
	NLS_NOM_PRESS_BLD_ART Observed Value:	0x00024A10
	NOM_PRESS_BLD_ART	0x4A10
	Units:	00700
	NOM_DIM_MMHG NOM DIM KILO PASCAL	0x0F20 0x0F03
Ao	Arterial Blood Pressure in the Aorta (Ao)	
	Label:	
	NLS_NOM_PRESS_BLD_AORT Observed Value:	0x00024A0C
	NOM_PRESS_BLD_AORT	0x4A0C
	Units:	
	NOM_DIM_MMHG NOM DIM KILO PASCAL	0x0F20 0x0F03
PAP	Pulmonary Arterial Pressure (PAP)	0.01.03
	Label:	
	NLS_NOM_PRESS_BLD_ART_PULM Observed Value:	0x00024A1C
	NOM PRESS BLD ART PULM	0x4A1C
	Units:	
	NOM_DIM_MMHG	0x0F20
CVP	NOM_DIM_KILO_PASCAL Central Venous Pressure (CVP)	0x0F03
	Label:	
	NLS_NOM_PRESS_BLD_VEN_CENT	0x00024A44
	Observed Value: NOM PRESS BLD VEN CENT	0x4A44
	Units:	0211111
	NOM_DIM_MMHG	0x0F20
RAP	NOM_DIM_KILO_PASCAL Right Atrial Pressure (RAP)	0x0F03
1411	Label:	
	NLS_NOM_PRESS_BLD_ATR_RIGHT	0x00024A34
	Observed Value: NOM PRESS BLD ATR RIGHT	0x4A34
	Units:	PCAFAU
	NOM_DIM_MMHG	0x0F20
LAP	NOM_DIM_KILO_PASCAL Left Atrial Pressure (LAP)	0x0F03
LAP	Label:	
	NLS_NOM_PRESS_BLD_ATR_LEFT	0x00024A30
	Observed Value:	0 ** 4 7\ 2\ 0
	NOM_PRESS_BLD_ATR_LEFT Units:	0x4A30
	NOM_DIM_MMHG	0x0F20
T CD	NOM_DIM_KILO_PASCAL	0x0F03
ICP	Intra-cranial Pressure (ICP) Label:	
	NLS_NOM_PRESS_INTRA_CRAN	0x00025808
	Observed Value:	0.5000
	NOM_PRESS_INTRA_CRAN Units:	0x5808
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
UAP	Umbilical Arterial Pressure (UAP) Label:	
	NLS NOM PRESS BLD ART UMB	0x00024A28
	Observed Value:	
	NOM_PRESS_BLD_ART_UMB Units:	0x4A28
	NOM DIM MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
UVP	Umbilical Venous Pressure (UVP)	

	Label:	
	NLS_NOM_PRESS_BLD_VEN_UMB	0x00024A48
	Observed Value:	
	NOM_PRESS_BLD_VEN_UMB Units:	0x4A48
	NOM DIM MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
FAP	Femoral Arterial Pressure (FAP)	
	Label:	
	NLS_NOM_PRESS_BLD_ART_FEMORAL Observed Value:	0x0002F0BC
	NOM PRESS BLD ART FEMORAL	0xF0BC
	Units:	
	NOM_DIM_MMHG	0x0F20
222	NOM_DIM_KILO_PASCAL	0x0F03
BAP	Brachial Arterial Pressure (BAP) Label:	
	NLS NOM PRESS BLD ART BRACHIAL	0x0002F0C0
	Observed Value:	
	NOM_PRESS_BLD_ART_BRACHIAL	0xF0C0
	Units:	00800
	NOM_DIM_MMHG NOM DIM KILO PASCAL	0x0F20 0x0F03
IC1	Intracranial Pressure 1 (IC1)	0.0105
	Label:	
	NLS_NOM_PRESS_INTRA_CRAN_1	0x0002F0B4
	Observed Value:	0.45004
	NOM_PRESS_INTRA_CRAN_1 Units:	0xF0B4
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
IC2	Intracranial Pressure 2 (IC2)	
	Label: NLS NOM PRESS INTRA CRAN 2	0x0002F0B8
	Observed Value:	011000021 020
	NOM_PRESS_INTRA_CRAN_2	0xF0B8
	Units:	
	NOM_DIM_MMHG NOM DIM KILO PASCAL	0x0F20 0x0F03
P	unspecific pressure	020103
	Label:	
	NLS_NOM_PRESS_BLD	0x00024A00
	Observed Value:	04700
	NOM_PRESS_BLD Units:	0x4A00
	NOM DIM MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
P1	Generic Pressure 1 (P1)	
	Label: NLS NOM PRESS GEN 1	0x0002F0A4
	Observed Value:	0X0002F0A4
	NOM_PRESS_GEN_1	0xF0A4
	Units:	
	NOM_DIM_MMHG	0x0F20
P2	NOM_DIM_KILO_PASCAL Generic Pressure 2 (P2)	0x0F03
	Label:	
	NLS_NOM_PRESS_GEN_2	0x0002F0A8
	Observed Value:	
	YOU DEED GEV O	0 5035
	NOM_PRESS_GEN_2	0xF0A8
	Units:	
		0xF0A8 0x0F20 0x0F03
Р3	Units: NOM_DIM_MMHG	0x0F20

	NLS_NOM_PRESS_GEN_3	0x0002F0AC
	Observed Value:	0.0000
	NOM_PRESS_GEN_3 Units:	0xF0AC
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
P4	Generic Pressure 4 (P4) Label:	
	NLS NOM PRESS GEN 4	0x0002F0B0
	Observed Value:	
	NOM_PRESS_GEN_4	0xF0B0
	Units:	0x0F20
	NOM_DIM_MMHG NOM DIM KILO PASCAL	0x0F03
CO2	CO2 concentration	
	Label:	
	NLS_NOM_AWAY_CO2 Observed Value:	0x000250AC
	NOM AWAY CO2	0x50AC
	Units:	
	NOM_DIM_MMHG	0x0F20
a dDo dn	NOM_DIM_KILO_PASCAL	0x0F03
acResp	Accoustic Respiration Rate Label:	
	NLS_NOM_ACOUSTIC_RESP	0x0002FB5E
	Observed Value:	
	NOM_ACOUSTIC_RESP_RATE Units:	0xFB5F
	NOM DIM RESP PER MIN	0x0AE0
02	Generic oxigen measurement label	
	Label:	
	NLS_NOM_CONC_AWAY_02	0x00025164
	Observed Value: NOM CONC AWAY O2	0x5164
	Units:	
	NOM_DIM_MMHG	0x0F20
Dogn	NOM_DIM_KILO_PASCAL Imedance RESP wave	0x0F03
Resp	Label:	
	NLS_NOM_RESP	0x00025000
	Observed Value:	
	NOM_RESP Units:	0x5000
	NOM DIM X OHM	0x10C0
AWF	Airway Flow Wave	
	Label:	
	NLS_NOM_FLOW_AWAY Observed Value:	0x000250D4
	NOM FLOW AWAY	0x50D4
AWP	Airway Pressure Wave	
	Label:	
	NLS_NOM_PRESS_AWAY Observed Value:	0x000250F0
	NOM PRESS AWAY	0x50F0
AWPin	Airway Pressure Wave - measured in the inspiratory path	
	Label:	
	NLS_NOM_PRESS_AWAY_INSP Observed Value:	0x00025108
	NOM PRESS AWAY INSP	0x5108
AWFin	Airway Flow Wave - measured in the inspiratory path	
	Label:	000005505
	NLS_NOM_VENT_FLOW_INSP Observed Value:	0x0002518C
	NOM_VENT_FLOW_INSP	0x518C
EEG	generic EEG and BIS label	

	Label:	
	NLS_NOM_EEG_ELEC_POTL_CRTX Observed Value:	0x0002592C
	NOM EEG ELEC POTL CRTX	0x592C
	Units:	
	NOM_DIM_MICRO_VOLT	0x10B3
EEG L	- Label:	
	NLS NOM EEG ELEC POTL CRTX LEFT	0x0002F845
	Observed Value:	
	NOM_EEG_ELEC_POTL_CRTX_LEFT	0xF845
EEG R	- Label:	
	NLS NOM EEG ELEC POTL CRTX RIGHT	0x0002F846
	Observed Value:	
	NOM_EEG_ELEC_POTL_CRTX_RIGHT	0xF846
EEG1	EEG wave channel 1 Label:	
	NLS EEG NAMES EEG CHAN1 LBL	0x800F5401
	Observed Value:	
	NOM_EEG_ELEC_POTL_CRTX	0x592C
	Units: NOM DIM MICRO VOLT	0x10B3
EEG2	EEG wave channel 2	UXIUBS
	Label:	
	NLS_EEG_NAMES_EEG_CHAN2_LBL	0x800F5402
	Observed Value: NOM EEG ELEC POTL CRTX	0x592C
	Units:	013320
	NOM_DIM_MICRO_VOLT	0x10B3
EEG3	EEG wave channel 3	
	Label: NLS EEG NAMES EEG CHAN3 LBL	0x800F5432
	Observed Value:	
	NOM_EEG_ELEC_POTL_CRTX	0x592C
	Units: NOM DIM MICRO VOLT	0x10B3
EEG4	EEG wave channel 4	UXIUBS
	Label:	
	NLS_EEG_NAMES_EEG_CHAN4_LBL	0x800F5434
	Observed Value: NOM EEG ELEC POTL CRTX	0x592C
	Units:	0.000
	NOM_DIM_MICRO_VOLT	0x10B3
Tblood	Tblood	
	Label: NLS NOM TEMP BLD	0x0002E014
	Observed Value:	
	NOM_TEMP_BLD	0xE014
N2	generic N2 label Label:	
	NLS NOM CONC AWAY N2	0x0002537C
	Observed Value:	
	NOM_CONC_AWAY_N2	0x537C
	Units: NOM DIM MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
	NOM_DIM_PERCENT	0x0220
N20	generic Nitrous Oxide label	
	Label: NLS NOM CONC AWAY N2O	0x000251F0
	Observed Value:	
	NOM_CONC_AWAY_N2O	0x51F0
	Units: NOM DIM MMHG	0x0F20
	NOTI DIFFERENCE	OAOF 20

	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT	0x0F03 0x0220
ISO	generic Isoflurane label Label:	
	NLS_NOM_CONC_AWAY_ISOFL Observed Value:	0x000251E8
	NOM_CONC_AWAY_ISOFL Units:	0x51E8
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL NOM DIM PERCENT	0x0F03 0x0220
SEV	generic Sevoflurane label Label:	
	NLS_NOM_CONC_AWAY_SEVOFL Observed Value:	0x000251E4
	NOM_CONC_AWAY_SEVOFL	0x51E4
	Units:	0.0700
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL NOM DIM PERCENT	0x0F03 0x0220
ENF	generic Enflurane label	0X0220
	Label:	
	NLS_NOM_CONC_AWAY_ENFL Observed Value:	0x000251DC
	NOM_CONC_AWAY_ENFL	0x51DC
	Units:	
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
HAL	NOM_DIM_PERCENT generic Halothane label	0x0220
HAL	Label:	
	NLS_NOM_CONC_AWAY_HALOTH	0x000251E0
	Observed Value:	
	NOM_CONC_AWAY_HALOTH	0x51E0
	Units:	
		00700
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL	0x0F03
DES	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT	
DES	NOM_DIM_KILO_PASCAL	0x0F03
DES	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL	0x0F03
DES	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value:	0x0F03 0x0220 0x000251D8
DES	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL	0x0F03 0x0220
DES	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units:	0x0F03 0x0220 0x000251D8 0x51D8
DES	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20
DES	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units:	0x0F03 0x0220 0x000251D8 0x51D8
DES	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03
	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label:	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03
	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03
	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value:	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220
	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220
	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MHG	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220
	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220 0x00025388
AGT	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_MMHG NOM_DIM_KILO_PASCAL	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220 0x00025388 0x5388 0x0F20
	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent1 label	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220 0x00025388 0x5388 0x0F20 0x0F03
AGT	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MHG NOM_DIM_MHG NOM_DIM_MHG NOM_DIM_MHG NOM_DIM_MHG NOM_DIM_MHG NOM_DIM_MHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent1 label Label:	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220 0x00025388 0x5388 0x0F20 0x0F03 0x0F20 0x0F03
AGT	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent1 label	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220 0x00025388 0x5388 0x0F20 0x0F03
AGT	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent1 label Label: NLS_GASES_NAMES_CONC_AWAY_AGENT1	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220 0x00025388 0x5388 0x0F20 0x0F03 0x0F20 0x0F03
AGT	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent1 label Label: NLS_GASES_NAMES_CONC_AWAY_AGENT1 Observed Value: NOM_CONC_AWAY_AGENT Units:	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220 0x00025388 0x5388 0x0F20 0x0F03 0x0220 0x805A5401 0x5388
AGT	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_ERCENT generic Agent1 label Label: NLS_GASES_NAMES_CONC_AWAY_AGENT1 Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_CONC_AWAY_AGENT Units: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MMHG	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220 0x00025388 0x5388 0x0F20 0x0F03 0x0220 0x805A5401 0x5388 0x0F20
AGT	NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Desflurane label Label: NLS_NOM_CONC_AWAY_DESFL Observed Value: NOM_CONC_AWAY_DESFL Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent label Label: NLS_NOM_CONC_AWAY_AGENT Observed Value: NOM_CONC_AWAY_AGENT Units: NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_MMHG NOM_DIM_KILO_PASCAL NOM_DIM_PERCENT generic Agent1 label Label: NLS_GASES_NAMES_CONC_AWAY_AGENT1 Observed Value: NOM_CONC_AWAY_AGENT Units:	0x0F03 0x0220 0x000251D8 0x51D8 0x0F20 0x0F03 0x0220 0x00025388 0x5388 0x0F20 0x0F03 0x0220 0x805A5401 0x5388

AGT2	generic Agent2 label	
	Label: NLS_GASES_NAMES_CONC_AWAY_AGENT2	0x805A5402
	Observed Value: NOM_CONC_AWAY_AGENT Units:	0x5388
	NOM_DIM_MMHG	0x0F20
	NOM_DIM_KILO_PASCAL NOM DIM PERCENT	0x0F03 0x0220
P 1	non-specific label for Pressure 1	0X0220
_	Label:	
	NLS_NOM_EMFC_P1	0x04010030
	Observed Value: NOM PRESS BLD	0x4A00
P_2	non-specific label for Pressure 2	
	Label:	004010024
	NLS_NOM_EMFC_P2 Observed Value:	0x04010034
	NOM_PRESS_BLD	0x4A00
P_3	non-specific label for Pressure 3	
	Label: NLS NOM EMFC P3	0x04010038
	Observed Value:	
D 4	NOM_PRESS_BLD	0x4A00
P_4	non-specific label for Pressure 4 Label:	
	NLS_NOM_EMFC_P4	0x0401003C
	Observed Value:	0.7747000
P 5	NOM_PRESS_BLD non-specific label for Pressure 5	0x4A00
_	Label:	
	NLS_NOM_EMFC_P5 Observed Value:	0x04010400
	NOM PRESS BLD	0x4A00
P_6	non-specific label for Pressure 6	
	Label: NLS NOM EMFC P6	0x04010404
	Observed Value:	0201010101
	NOM_PRESS_BLD	0x4A00
P_7	non-specific label for Pressure 7 Label:	
	NLS_NOM_EMFC_P7	0x04010408
	Observed Value:	
P 8	NOM_PRESS_BLD non-specific label for Pressure 8	0x4A00
1_0	Label:	
	NLS_NOM_EMFC_P8	0x0401040C
	Observed Value: NOM PRESS BLD	0x4A00
vECG	Vector ECG	01111100
	Label:	
	NLS_NOM_ELEC_POTL_VECT Observed Value:	0x0002fF874
	NOM_ELEC_POTL_VECT	0xF874
ICG	Impedance Cardiography	
	Label: NLS NOM IMPED TTHOR ECG	0x0002F888
	Observed Value:	
7 1.17 7	NOM_IMPED_TTHOR_ECG	0xF888
AWVexp	Expiratory Airway Volume Wave Label:	
	NLS_NOM_VOL_AWAY_EXP	0x0002F8C1
	Observed Value:	0
	NOM_VOL_AWAY_EXP	0xF8C1

AGTs	Anesthetic Agent - secondary agent Label:	
	NLS_NOM_CONC_AWAY_AGENT_SEC	0x0002F820
	Observed Value: NOM CONC AWAY AGENT SEC	0xF820
cmResp	NOM_CONC_AWAI_AGENI_SEC	UXF82U
	Label:	
	NLS_NOM_RESP_CM Observed Value:	0x0002FAB8
	NOM RESP CM	0xFAB8
IUP	Intra-Uterine Pressure	
	Label:	
	NLS_NOM_EMFC_IUP Observed Value:	0x04010054
	NOM PRESS BLD	0x4A00
AUX	Auxiliary Wave/Parameter	
	Label:	0**04010004
	NLS_NOM_EMFC_AUX Observed Value:	0x040100B4
	NOM_METRIC_NOS	0xEFFF
VECG	Vector ECG taken from ICG	
	Label: NLS NOM EMFC vECG	0x0401119C
	Observed Value:	
	NOM_METRIC_NOS	0xEFFF
ICG	Impedance Cardiography Label:	
	NLS_NOM_EMFC_ICG	0x040111A0
	Observed Value:	
AWV	NOM_METRIC_NOS Airway Volume Wave	0xEFFF
AWV	Label:	
	NLS_NOM_EMFC_AWV	0x04010668
	Observed Value: NOM METRIC NOS	0xEFFF
L V1	Lead V1 - ECG wave label	11120
	Label:	
	NLS_NOM_EMFC_L_V1 Observed Value:	0x04010764
	NOM ECG ELEC POTL V1	0x0103
L V2	Lead V2 - ECG wave label	
	Label:	0x04010768
	NLS_NOM_EMFC_L_V2 Observed Value:	0X04010766
	NOM_ECG_ELEC_POTL_V2	0x0104
L V3	Lead V3 - ECG wave label	
	Label: NLS NOM EMFC L V3	0x0401076C
	Observed Value:	
	NOM_ECG_ELEC_POTL_V3	0x0105
L V4	Lead V4 - ECG wave label Label:	
	NLS_NOM_EMFC_L_V4	0x04010770
	Observed Value:	
L V5	NOM_ECG_ELEC_POTL_V4 Lead V5 - ECG wave label	0x0106
	Label:	
	NLS_NOM_EMFC_L_V5	0x04010774
	Observed Value: NOM ECG ELEC POTL V5	0x0107
L V6	Lead V6 - ECG wave label	0110107
	Label:	
	NLS_NOM_EMFC_L_V6 Observed Value:	0x04010778
	NOM_ECG_ELEC_POTL_V6	0x0108

L I	Lead I - ECG wave label Label:	
	NLS_NOM_EMFC_L_I Observed Value:	0x0401077C
	NOM_ECG_ELEC_POTL_I	0x0101
L II	Lead II - ECG wave label Label:	
	NLS_NOM_EMFC_L_II Observed Value:	0x04010780
L III	NOM_ECG_ELEC_POTL_II Lead III - ECG wave label	0x0102
	Label: NLS NOM EMFC L III	0x04010784
	Observed Value: NOM_ECG_ELEC_POTL_III	0x013D
L aVR	Lead aVR - ECG wave label Label:	
	NLS_NOM_EMFC_L_aVR	0x04010788
	Observed Value: NOM_ECG_ELEC_POTL_AVR	0x013E
L aVL	Lead aVL - ECG wave label Label:	
	NLS_NOM_EMFC_L_aVL Observed Value:	0x0401078C
L aVF	NOM_ECG_ELEC_POTL_AVL Lead aVF - ECG wave label	0x013F
	Label: NLS NOM EMFC L aVF	0x04010790
	Observed Value: NOM ECG ELEC POTL AVF	0x0140
AWVex	Expiratory Airway Volume Wave. Measured in 1. Label:	
	NLS_NOM_EMFC_AWVex	0x04010794
	Observed Value: NOM_METRIC_NOS	0xEFFF
PLETH2	PLETH from the second SpO2/PLETH module Label:	
	NLS_NOM_EMFC_PLETH2 Observed Value:	0x0401079C
LT EEG	NOM_PLETH Left channel EEG wave	0x4BB4
	Label: NLS NOM EMFC LT EEG	0x040107F0
	Observed Value: NOM EEG ELEC POTL CRTX	0x592C
RT EEG	Right channel EEG wave Label:	ONSSEC
	NLS_NOM_EMFC_RT_EEG	0x0401082C
	Observed Value: NOM_EEG_ELEC_POTL_CRTX	0x592C
BP	Unspecified Blood Pressure Label:	
	NLS_NOM_EMFC_BP Observed Value:	0x04010888
AGTs	NOM_PRESS_BLD Anesthetic Agent - secondary agent	0x4A00
	Label: NLS NOM EMFC AGTs	0x04010CE4
	Observed Value: NOM CONC AWAY AGENT	0x5388
Wave 1	Placeholder for Vuelink Flex Text Label:	312200
	NLS_VUELINK_FLX1_NPS_TEXT_WAVE1	0x80AAF001
	Observed Value: depends on configuration	

Wave 2	Placeholder for Vuelink Flex Text Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_WAVE2 Observed Value:	0x80AAF003
Wave 3	depends on configuration Placeholder for Vuelink Flex Text Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_WAVE3 Observed Value:	0x80AAF005
	depends on configuration	
Wave 4	Placeholder for Vuelink Flex Text Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_WAVE4 Observed Value:	0x80AAF007
	depends on configuration	
Wave 5	Placeholder for Vuelink Flex Text	
	Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_WAVE5	0x80AAF009
	Observed Value: depends on configuration	
Wave 6	Placeholder for Vuelink Flex Text	
	Label:	
	NLS_VUELINK_FLX1_NPS_TEXT_WAVE6 Observed Value:	0x80AAF00B
	depends on configuration	
Wave 7	Placeholder for Vuelink Flex Text	
	Label:	0x80AAF00D
	NLS_VUELINK_FLX1_NPS_TEXT_WAVE7 Observed Value:	UXUUAAF UUD
	depends on configuration	
Wave 8	Placeholder for Vuelink Flex Text	
	Label:	0x80AAF00F
	NLS VUELINK FLX1 NPS TEXT WAVE8	
		OXOOAAI OOI
	Observed Value: depends on configuration	ONOUPAI UUI
Pads	Observed Value:	OXOGAN OUT
Pads	Observed Value: depends on configuration - Label:	
Pads	Observed Value: depends on configuration - Label: NLS_NOM_ECG_ELEC_POTL_PADS	0x0002F136
Pads	Observed Value: depends on configuration - Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value:	
Pads Paddle	Observed Value: depends on configuration - Label: NLS_NOM_ECG_ELEC_POTL_PADS	0x0002F136
	Observed Value: depends on configuration - Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS	0x0002F136
	Observed Value: depends on configuration - Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS - Label: NLS_NOM_ECG_ELEC_POTL_PADDLES	0x0002F136
	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value:	0x0002F136 0xF136 0x0002F137
	Observed Value: depends on configuration - Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS - Label: NLS_NOM_ECG_ELEC_POTL_PADDLES	0x0002F136 0xF136
Paddle	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value:	0x0002F136 0xF136 0x0002F137
Paddle	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ELEC_POTL_DIAPHRAGM	0x0002F136 0xF136 0x0002F137
Paddle	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Observed Value:	0x0002F136 0xF136 0x0002F137 0xF137
Paddle	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ELEC_POTL_DIAPHRAGM	0x0002F136 0xF136 0x0002F137 0xF137
Paddle EDI	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Observed Value: NOM_ELEC_POTL_DIAPHRAGM	0x0002F136 0xF136 0x0002F137 0xF137
Paddle EDI	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Observed Value: NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_PRESS_AWAY_AUX	0x0002F136 0xF136 0x0002F137 0xF137
Paddle EDI	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Observed Value: NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_PRESS_AWAY_AUX Observed Value:	0x0002F136 0xF136 0x0002F137 0xF137 0x0002FAEE 0xFAEE
Paddle EDI AWPx	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Observed Value: NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_PRESS_AWAY_AUX Observed Value: NOM_PRESS_AWAY_AUX	0x0002F136 0xF136 0x0002F137 0xF137 0x0002FAEE 0xFAEE
Paddle EDI	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Observed Value: NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_PRESS_AWAY_AUX Observed Value:	0x0002F136 0xF136 0x0002F137 0xF137 0x0002FAEE 0xFAEE
Paddle EDI AWPx	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_DIAPHRAGM Observed Value: NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_PRESS_AWAY_AUX Observed Value: NOM_PRESS_AWAY_AUX DECG_wave Label: NLS_NOM_ECG_ELEC_POTL_FETAL	0x0002F136 0xF136 0x0002F137 0xF137 0x0002FAEE 0xFAEE
Paddle EDI AWPx	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_DIAPHRAGM Observed Value: NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_PRESS_AWAY_AUX Observed Value: NOM_PRESS_AWAY_AUX DECG wave Label: NLS_NOM_ECG_ELEC_POTL_FETAL Observed Value:	0x0002F136 0xF136 0x0002F137 0xF137 0x0002FAEE 0xFAEE 0x0002FA24 0xFA24
Paddle EDI AWPx	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_DIAPHRAGM Observed Value: NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_PRESS_AWAY_AUX Observed Value: NOM_PRESS_AWAY_AUX DECG_wave Label: NLS_NOM_ECG_ELEC_POTL_FETAL Observed Value: NOM_ECG_ELEC_POTL_FETAL	0x0002F136 0xF136 0x0002F137 0xF137 0x0002FAEE 0xFAEE 0xFAEE
Paddle EDI AWPx	Observed Value: depends on configuration Label: NLS_NOM_ECG_ELEC_POTL_PADS Observed Value: NOM_ECG_ELEC_POTL_PADS Label: NLS_NOM_ECG_ELEC_POTL_PADDLES Observed Value: NOM_ECG_ELEC_POTL_PADDLES Label: NLS_NOM_ECG_ELEC_POTL_DIAPHRAGM Observed Value: NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_ELEC_POTL_DIAPHRAGM Label: NLS_NOM_PRESS_AWAY_AUX Observed Value: NOM_PRESS_AWAY_AUX DECG wave Label: NLS_NOM_ECG_ELEC_POTL_FETAL Observed Value:	0x0002F136 0xF136 0x0002F137 0xF137 0x0002FAEE 0xFAEE 0xFAEE 0x0002FA24 0xFA24

Attribute IDs

The Attribute ID specifies the type of an attribute in the AttributeList. The IDs are taken from the Object Oriented Elements partition. Unknown attributes should be ignored.

Device P-Alarr		
D : T 11	NOM_ATTR_AL_MON_P_AL_LIST	0x0902
Device T-Aları		0.000/
Altitude	NOM_ATTR_AL_MON_T_AL_LIST	0x0904
Aititude	NOM ATTR ALTITUDE	0x090C
Application Ar		ONOTOC
11	NOM_ATTR_AREA_APPL	0x090D
Color		
	NOM_ATTR_COLOR	0x0911
Device Alert C		
	NOM_ATTR_DEV_AL_COND	0x0916
Display Resolu		
	NOM_ATTR_DISP_RES	0x0917
Visual Grid		
	NOM_ATTR_GRID_VIS_I16	0x091A
Association Inv		0.0015
D 17 1 1	NOM_ATTR_ID_ASSOC_NO	0x091D
Bed Label	NOW ATTER ID DED LAREY	0.0015
01: 11 11	NOM_ATTR_ID_BED_LABEL	0x091E
Object Handle		0.0021
т 1 1	NOM_ATTR_ID_HANDLE	0x0921
Label	NOM ATTO ID LADEI	00024
I ah al Canina	NOM_ATTR_ID_LABEL	0x0924
Label String	NOW ATTO ID LAREI STRING	0x0927
System Model	NOM_ATTR_ID_LABEL_STRING	UXU92/
System Woder	NOM_ATTR_ID_MODEL	0x0928
Product Specif		010720
1 foduct Specif	NOM_ATTR_ID_PROD_SPECN	0x092D
Object Type	TOM_TITIN_ID_TROD_STBOX	0.000210
object Type	NOM_ATTR_ID_TYPE	0x092F
Line Frequenc		0110/21
1	NOM_ATTR_LINE_FREQ	0x0935
System Localiz		
,	NOM_ATTR_LOCALIZN	0x0937
Metric Info La	bel	
	NOM_ATTR_METRIC_INFO_LABEL	0x093C
Metric Info La	bel String	
	NOM_ATTR_METRIC_INFO_LABEL_STR	0x093D
Metric Specific	cation	
	NOM_ATTR_METRIC_SPECN	0x093F
Metric State		
	NOM_ATTR_METRIC _STAT	0x0940
Measure Mode		
	NOM_ATTR_MODE_MSMT	0x0945
Operating Mo		
NT 1	NOM_ATTR_MODE_OP	0x0946
Nomenclature		0.00/5
	NOM_ATTR_NOM_VERS	0x0948

Compound N	Numeric Observed Value	0.00/P
Numeric Obs	NOM_ATTR_NU_CMPD_VAL_OBS served Value	0x094B
Patient BSA	NOM_ATTR_NU_VAL_OBS	0x0950
	NOM_ATTR_PT_BSA	0x0956
Pat Demo Sta	NOM_ATTR_PT_DEMOG_ST	0x0957
Patient Date	of Birth NOM_ATTR_PT_DOB	0x0958
Patient ID	NOM_ATTR_PT_ID	0x095A
Family Name		
Given Name	NOM_ATTR_PT_NAME_FAMILY	0x095C
Patient Sex	NOM_ATTR_PT_NAME_GIVEN	0x095D
	NOM_ATTR_PT_SEX	0x0961
Patient Type	NOM_ATTR_PT_TYPE	0x0962
Sample Array	Calibration Specification NOM_ATTR_SA_CALIB_I16	0x0964
Compound S	ample Array Observed Value NOM_ATTR_SA_CMPD_VAL_OBS	0x0967
Sample Array	Physiological Range	
Sample Array	NOM_ATTR_SA_RANGE_PHYS_I16 Specification	0x096A
Sample Array	NOM_ATTR_SA_SPECN Observed Value	0x096D
•	NOM_ATTR_SA_VAL_OBS	0x096E
	nge Specification NOM_ATTR_SCALE_SPECN_I16	0x096F
Safety Standa	rd NOM_ATTR_STD_SAFETY	0x0982
System ID	NOM_ATTR_SYS_ID	0x0984
System Specif	fication	
System Type	NOM_ATTR_SYS_SPECN	0x0985
Date and Tim	NOM_ATTR_SYS_TYPE	0x0986
	NOM_ATTR_TIME_ABS	0x0987
Sample Period	d NOM_ATTR_TIME_PD_SAMP	0x098D
Relative Time	e NOM_ATTR_TIME_REL	0x098F
Absolute Tim		0x0990
Relative Time	e Stamp	
Unit Code	NOM_ATTR_TIME_STAMP_REL	0x0991
Enumeration	NOM_ATTR_UNIT_CODE Observed Value	0x0996
	NOM_ATTR_VAL_ENUM_OBS	0x099E
MDS Status	NOM_ATTR_VMS_MDS_STAT	0x09A7

Patient Age	0.0000
NOM_ATTR_PT_AGE Patient Height	0x09D8
NOM_ATTR_PT_HEIGHT	0x09DC
Patient Weight NOM_ATTR_PT_WEIGHT	0x09DF
Sample Array Fixed Values Specification	0x07D1
NOM_ATTR_SA_FIXED_VAL_SPECN	0x0A16
Patient Paced Mode NOM_ATTR_PT_PACED_MODE	0x0A1E
Internal Patient ID	0. 17004
NOM_ATTR_PT_ID_INT Private Attribute	0xF001
NOM_SAT_O2_TONE_FREQ	0xF008
Private Attribute NOM_ATTR_CMPD_REF_LIST	0xF009
IP Address Information	0.11 00 /
NOM_ATTR_NET_ADDR_INFO	0xF100
Protocol Support NOM ATTR PCOL SUPPORT	0xF101
Notes1	0.1101
NOM_ATTR_PT_NOTES1	0xF129
Notes2 NOM_ATTR_PT_NOTES2	0xF12A
Time for Periodic Polling	
NOM_ATTR_TIME_PD_POLL	0xF13E
Patient BSA Formula NOM_ATTR_PT_BSA_FORMULA	0xF1EC
Mds General System Info	
NOM_ATTR_MDS_GEN_INFO no of prioritized objects for poll request	0xF1FA
NOM_ATTR_POLL_OBJ_PRIO_NUM	0xF228
Numeric Object Priority List	
NOM_ATTR_POLL_NU_PRIO_LIST Wave Object Priority List	0xF239
NOM_ATTR_POLL_RTSA_PRIO_LIST	0xF23A
Metric Modality	
NOM_ATTR_METRIC_MODALITY	0xF294
The attributes are arranged in the following attribute groups:	
Alert Monitor Group NOM_ATTR_GRP_AL_MON	0x0801
Metric Observed Value Group	0.0001
NOM_ATTR_GRP_METRIC_VAL_OBS	0x0803
Patient Demographics Attribute Group NOM_ATTR_GRP_PT_DEMOG	0x0807
System Application Attribute Group	
NOM_ATTR_GRP_SYS_APPL System Identification Attribute Group	0x080A
NOM_ATTR_GRP_SYS_ID	0x080B
System Production Attribute Group	
NOM_ATTR_GRP_SYS_PROD VMO Dynamic Attribute Group	0x080C
NOM_ATTR_GRP_VMO_DYN	0x0810
VMO Static Attribute Group	

NOM_ATTR_GRP_VMO_STATIC

0x0811

Component IDs

The Component IDs specify system components such as the entries in the Production Specification attribute of the Medical Device Service object. A Component ID is a PrivateOid and is not assigned to any nomenclature partition.

for the overall product	
ID_COMP_PRODUCT	0x0008
for the specific bundle	
ID_COMP_CONFIG	0x0010
for the boot code	
ID_COMP_BOOT	0x0018
mainboard component	
ID_COMP_MAIN_BD	0x0050
application software component	
ID_COMP_APPL_SW	0x0058

Unit Codes

The Unit Codes describe the dimension of a physiological measurement. They are grouped in the Units partition.

NOS	(no dimension)	
1100	NOM_DIM_NOS	0
/	(/)	
	NOM_DIM_DIV	2
-	(no dimension)	
	NOM_DIM_DIMLESS	512
%	(percentage)	
	NOM_DIM_PERCENT	544
ppth	(parts per thousand)	
	NOM_DIM_PARTS_PER_THOUSAND	576
ppm	(parts per million)	(00
mol/mol	NOM_DIM_PARTS_PER_MILLION (mole per mole)	608
11101/11101	NOM_DIM_X_MOLE_PER_MOLE	864
ppb	(parts per billion)	001
PPO	NOM_DIM_PARTS_PER_BILLION	672
ppt	(parts per trillion)	
	NOM_DIM_PARTS_PER_TRILLION	704
pН	(pH)	
	NOM_DIM_PH	992
drop	(vital signs count drop)	
	NOM_DIM_DROP	1024
rbc	(vital signs count red blood cells)	1056
h	NOM_DIM_RBC	1056
beat	(vital signs count beat) NOM_DIM_BEAT	1088
breath	(vital signs count breath)	1000
breath	NOM_DIM_BREATH	1120
cell	(vital signs count cells)	
	NOM_DIM_CELL	1152
cough	(vital signs count cough)	
	NOM_DIM_COUGH	1184
sigh	(vital signs count sigh)	
	NOM_DIM_SIGH	1216
%PCV	(percent of packed cell volume)	12/0
	NOM_DIM_PCT_PCV	1248
m	(meter) NOM_DIM_X_M	1280
cm	(centimeter)	1200
CIII	NOM_DIM_CENTI_M	1297
mm	(millimeter)	12),
	NOM_DIM_MILLI_M	1298
μm	(micro-meter)	
	NOM_DIM_MICRO_M	1299
in	(inch)	
	NOM_DIM_X_INCH	1376
ml/m2	(used e.g. for SI and ITBVI)	1/2/
1	NOM_DIM_MILLI_L_PER_M_SQ	1426
/m	(per meter)	1440
/mm	NOM_DIM_PER_X_M (per millimeter)	1440
/ 111111	(per minimeter)	

	NOM_DIM_PER_MILLI_M	1458
m2	(used e.g. for BSA calculation)	
	NOM_DIM_SQ_X_M	1472
in2	(used e.g. for BSA calculation)	150/
2	NOM_DIM_SQ_X_INCH	1504
m3	(cubic meter) NOM_DIM_CUBIC_X_M	1568
cm3	(cubic centimeter)	1,000
CIII	NOM_DIM_CUBIC_CENTI_M	1585
1	(liter)	1,0,
•	NOM_DIM_X_L	1600
ml	(milli-liters used e.g. for EVLW ITBV SV)	
	NOM_DIM_MILLI_L	1618
ml/breath	(milli-liter per breath)	
	NOM_DIM_MILLI_L_PER_BREATH	1650
/cm3	(per cubic centimeter)	
"	NOM_DIM_PER_CUBIC_CENTI_M	1681
/l	(per liter)	1606
1 /1	NOM_DIM_PER_X_L	1696
1/nl	(per nano-liter) NOM_DIM_PER_NANO_LITER	1716
σ	(gram)	1/10
g	NOM_DIM_X_G	1728
kg	(kilo-gram)	1,20
	NOM_DIM_KILO_G	1731
mg	(milli-gram)	
_	NOM_DIM_MILLI_G	1746
μg	(micro-gram)	
	NOM_DIM_MICRO_G	1747
ng	(nono-gram)	1= (0
11.	NOM_DIM_NANO_G	1748
lb	(pound) NOM_DIM_X_LB	1760
OZ	(ounce)	1700
OZ	NOM_DIM_X_OZ	1792
/g	(per gram)	1,,,=
	NOM_DIM_PER_X_G	1824
g-m	(used e.g. for LVSW RVSW)	
	NOM_DIM_X_G_M	1856
kg-m	(used e.g. for RCW LCW)	
	NOM_DIM_KILO_G_M	1859
g-m/m2	(used e.g. for LVSWI and RVSWI)	
1 / 2	NOM_DIM_X_G_M_PER_M_SQ	1888
kg-m/m2	(used e.g. for LCWI and RCWI) NOM_DIM_KILO_G_M_PER_M_SQ	1891
kg-m2	(gram meter squared)	1071
Kg-III2	NOM_DIM_KILO_G_M_SQ	1923
kg/m2	(kilo-gram per square meter)	1,25
O	NOM_DIM_KG_PER_M_SQ	1955
kg/m3	(kilo-gram per cubic meter)	
	NOM_DIM_KILO_G_PER_M_CUBE	1987
g/cm3	(gram per cubic meter)	
, -	NOM_DIM_X_G_PER_CM_CUBE	2016
mg/cm3	(milli-gram per cubic centimeter)	202/
	NOM_DIM_MILLI_G_PER_CM_CUBE	2034
μg/cm3	(micro-gram per cubic centimeter)	

	NOM_DIM_MICRO_G_PER_CM_CUBE	2035
ng/cm3	(nano-gram per cubic centimeter)	
	NOM_DIM_NANO_G_PER_CM_CUBE	2036
g/l	(gram per liter)	
	NOM_DIM_X_G_PER_L	2048
g/dl	(used e.g. for Hb)	
	NOM_DIM_X_G_PER_DL	2112
mg/dl	(milli-gram per deciliter)	
	NOM_DIM_MILLI_G_PER_DL	2130
g/ml	(gram per milli-liter)	//
, 1	NOM_DIM_X_G_PER_ML	2144
mg/ml (milli-gram per milli-liter)	21.62
/ 1	NOM_DIM_MILLI_G_PER_ML	2162
μg/ml	(micro-gram per milli-liter)	21/2
/ 1	NOM_DIM_MICRO_G_PER_ML	2163
ng/ml	(nano-gram per milli-liter)	21//
	NOM_DIM_NANO_G_PER_ML	2164
sec	(seconds)	2176
m	NOM_DIM_SEC	2176
msec	(milli-seconds)	2194
11000	NOM_DIM_MILLI_SEC	2194
μsec	(micro-seconds) NOM_DIM_MICRO_SEC	2195
min	(minutes)	2177
111111	NOM_DIM_MIN	2208
hrs	(hours)	2200
1113	NOM_DIM_HR	2240
days	(days)	2240
days	NOM_DIM_DAY	2272
weeks	(weeks)	22,2
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	NOM_DIM_WEEKS	2304
months	(months)	2301
	NOM_DIM_MON	2336
years	(years)	
,	NOM_DIM_YR	2368
TOD	(time of day)	
	NOM_DIM_TOD	2400
date	(date)	
	NOM_DIM_DATE	2432
/sec	(per second)	
	NOM_DIM_PER_X_SEC	2464
Hz	(hertz)	
	NOM_DIM_HZ	2496
/min	(per minute used e.g. for the PVC count numerical value)	
	NOM_DIM_PER_MIN	2528
/hour	(per hour)	
	NOM_DIM_PER_HR	2560
/day	(per day)	
, .	NOM_DIM_PER_DAY	2592
/week	(per week)	2626
,1	NOM_DIM_PER_WK	2624
/month	(per month)	2656
/2200#	NOM_DIM_PER_MO	2656
/year	(per year)	2600
hnm	NOM_DIM_PER_YR (beats per minute used e.g. for HR/PULSE)	2688
bpm	(beats per minute used E.g. 101 FIRT ULSE)	

	NOM_DIM_BEAT_PER_MIN	2720
puls/min	(puls per minute) NOM_DIM_PULS_PER_MIN	2752
rpm	(respiration breathes per minute) NOM_DIM_RESP_PER_MIN	2784
m/sec	(meter per second) NOM_DIM_X_M_PER_SEC	2816
mm/sec	(speed for recordings) NOM_DIM_MILLI_M_PER_SEC	2834
l/min/m2	(used for CI) NOM_DIM_X_L_PER_MIN_PER_M_SQ	2848
ml/min/m2	(used for DO2I VO2I O2AVI) NOM_DIM_MILLI_L_PER_MIN_PER_M_SQ	2866
m2/sec	(square meter per second) NOM_DIM_SQ_X_M_PER_SEC	2880
cm2/sec	(square centimeter per second) NOM_DIM_SQ_CENTI_M_PER_SEC	2897
m3/sec	(cubic meter per second) NOM_DIM_CUBIC_X_M_PER_SEC	2912
cm3/sec	(cubic centimeter per second) NOM_DIM_CUBIC_CENTI_M_PER_SEC	2929
l/sec	(liter per second) NOM_DIM_X_L_PER_SEC	3040
l/min	(liter per minutes) NOM_DIM_X_L_PER_MIN	3072
dl/min	(deciliter per second) NOM_DIM_DECI_L_PER_MIN	3088
ml/min	(used for DO2 VO2 ALVENT) NOM_DIM_MILLI_L_PER_MIN	3090
l/hour	(liter per hour)	
ml/hour	NOM_DIM_X_L_PER_HR (milli-liter per hour)	3104
l/day	NOM_DIM_MILLI_L_PER_HR (liter per day)	3122
ml/day	NOM_DIM_X_L_PER_DAY (milli-liter per day)	3136
ml/kg	NOM_DIM_MILLI_L_PER_DAY (used e.g. for EVLWI)	3154
kg/sec	NOM_DIM_MILLI_L_PER_KG (kilo-gram per second)	3186
g/min	NOM_DIM_KILO_G_PER_SEC (gram per minute)	3299
kg/min	NOM_DIM_X_G_PER_MIN (kilo-gram per minute)	3328
mg/min	NOM_DIM_KILO_G_PER_MIN (milli-gram per minute)	3331
μg/min	NOM_DIM_MILLI_G_PER_MIN (micro-gram per minute)	3346
ng/min	NOM_DIM_MICRO_G_PER_MIN (nano-gram per minute)	3347
g/hour	NOM_DIM_NANO_G_PER_MIN (gram per hour)	3348
kg/hour	NOM_DIM_X_G_PER_HR (kilo-gram per hour)	3360
mg/hour	NOM_DIM_KILO_G_PER_HR (milli-gram per hour)	3363

	NOM_DIM_MILLI_G_PER_HR	3378
μg/hour	(micro-gram per hour) NOM_DIM_MICRO_G_PER_HR	3379
ng/hr	(nano-gram per hour) NOM_DIM_NANO_G_PER_HR	3380
g/day	(gram per day) NOM_DIM_X_G_PER_DAY	3392
kg/day	(kilo-gram per day) NOM_DIM_KILO_G_PER_DAY	3395
mg/day	(milli gram per day) NOM_DIM_MILLI_G_PER_DAY	3410
ug/day	(microgram per day) NOM_DIM_MICRO_G_PER_DAY	3411
ng/day	(nano gram per day) NOM_DIM_NANO_G_PER_DAY	3412
g/kg/min	(gram per kilo-gram per minute) NOM_DIM_X_G_PER_KG_PER_MIN	3456
mg/kg/min	(milli-gram per kilo-gram per minute) NOM_DIM_MILLI_G_PER_KG_PER_MIN	3474
μg/kg/min	(micro-gram per kilo-gram per minute) NOM_DIM_MICRO_G_PER_KG_PER_MIN	3475
ng/kg/min	(nano-gram per kilo-gram per minute) NOM_DIM_NANO_G_PER_KG_PER_MIN	3476
g/kg/hour	(gram per kilo-gram per hour) NOM_DIM_X_G_PER_KG_PER_HR	3488
mg/kg/hour	(mili-gram per kilo-gram per hour) NOM_DIM_MILLI_G_PER_KG_PER_HR	3506
μg/kg/hour	(micro-gram per kilo-gram per hour) NOM_DIM_MICRO_G_PER_KG_PER_HR	3507
ng/kg/hour	(nano-gram per kilo-gram per hour) NOM_DIM_NANO_G_PER_KG_PER_HR	3508
kg/l/sec	(kilo-gram per liter per second) NOM_DIM_KILO_G_PER_L_SEC	3555
kg/m/sec	(kilo-gram per meter per second) NOM_DIM_KILO_G_PER_M_PER_SEC	3683
kg-m/sec	(kilo-gram meter per second) NOM_DIM_KILO_G_M_PER_SEC	3715
N-s	(newton seconds) NOM_DIM_X_NEWTON_SEC	3744
N	(newton) NOM_DIM_X_NEWTON	3776
Pa	(pascal) NOM_DIM_X_PASCAL	3840
hPa	(hekto-pascal) NOM_DIM_HECTO_PASCAL	3842
kPa	(kilo-pascal) NOM_DIM_KILO_PASCAL	3843
mmHg	(mm mercury) NOM_DIM_MMHG	3872
cmH2O	(centimeter H20) NOM_DIM_CM_H2O	3904
mBar	(milli-bar) NOM_DIM_MILLI_BAR	3954
J	(Joules) NOM_DIM_X_JOULES	3968
eV	(electronvolts)	

	NOM_DIM_EVOLT	4000
W	(watt)	
	NOM_DIM_X_WATT	4032
mW	(milli-watt)	/o
3377	NOM_DIM_MILLI_WATT	4050
nW	(nano-watt)	4052
»W/	NOM_DIM_NANO_WATT	4052
pW	(pico-watt) NOM_DIM_PICO_WATT	4053
Dyn-sec/cm^5	(dyne second per cm^5)	10))
Dyn secrem)	NOM_DIM_X_DYNE_PER_SEC_PER_CM5	4128
A	(ampere)	
	NOM_DIM_X_AMPS	4160
mA	(milli-ampereused e.g. for the battery indications)	
	NOM_DIM_MILLI_AMPS	4178
C	(coulomb)	
	NOM_DIM_X_COULOMB	4192
μC	(micro-coulomb)	
	NOM_DIM_MICRO_COULOMB	4211
V	(volts)	12-1
3.7	NOM_DIM_X_VOLT	4256
mV	(milli-volt)	4274
	NOM_DIM_MILLI_VOLT (micro-volt)	42/4
μV	NOM_DIM_MICRO_VOLT	4275
Ohm	(Ohm)	74/)
O IIIII	NOM_DIM_X_OHM	4288
kOhm	(kilo-ohm)	
	NOM_DIM_OHM_K	4291
F	(farad)	
	NOM_DIM_X_FARAD	4352
°K	(kelvin)	
	NOM_DIM_KELVIN	4384
°F	(degree-fahrenheit)	//1/
1	NOM_DIM_FAHR	4416
cd	(candela)	4480
mOsm	NOM_DIM_X_CANDELA (milli-osmole)	4400
mosm	NOM_DIM_MILLI_OSM	4530
mol	(mole)	1)50
	NOM_DIM_X_MOLE	4544
mmol	(milli-mole)	
	NOM_DIM_MILLI_MOLE	4562
mEq	(milli-equivalents)	
	NOM_DIM_MILLI_EQUIV	4594
mOsm/l	(milli-osmole per liter)	
1./1	NOM_DIM_MILLI_OSM_PER_L	4626
mmol/l	(used for HB)	4722
umol/l	NOM_DIM_MILLI_MOLE_PER_L	4722
μmol/l	(micro-mol per liter) NOM_DIM_MICRO_MOLE_PER_L	4723
mEq/l	(milli-equivalents per liter)	1,23
	NOM_DIM_MILLI_EQUIV_PER_L	4850
mEq/day	(milli-equivalents per day)	
- •	NOM_DIM_MILLI_EQUIV_PER_DAY	5202
i.u.	(international unit)	

	NOM_DIM_X_INTL_UNIT	5472
mi.u.	(mili-international unit)	
	NOM_DIM_MILLI_INTL_UNIT	5490
i.u./cm3	(international unit per cubic centimeter)	550/
	NOM_DIM_X_INTL_UNIT_PER_CM_CUBE	5504
mi.u./cm3	(mili-international unit per cubic centimeter)	5500
i.u./ml	NOM_DIM_MILLI_INTL_UNIT_PER_CM_CUBE (international unit per milli-liter)	5522
1.u./1111	NOM_DIM_X_INTL_UNIT_PER_ML	5600
i.u./min	(international unit per minute)	7000
1.4./ 111111	NOM_DIM_X_INTL_UNIT_PER_MIN	5664
k/min	(kilo intl per min)	,001
	NOM_DIM_KILO_INTL_UNIT_PER_MIN	5667
i.u.k/ml	(kilo intl per milli liter)	
	NOM_DIM_KILO_INTL_UNIT_PER_ML	5603
mi.u./ml	(milli-international unit per milli-liter)	
	NOM_DIM_MILLI_INTL_UNIT_PER_ML	5618
mi.u./min	(milli-international unit per minute)	
	NOM_DIM_MILLI_INTL_UNIT_PER_MIN	5682
i.u./hour	(international unit per hour)	
	NOM_DIM_X_INTL_UNIT_PER_HR	5696
i.u.k/h	(kilo intl per hour)	
	NOM_DIM_KILO_INTL_UNIT_PER_HR	5699
mi.u./hour	(milli-international unit per hour)	571/
: /1 / :	NOM_DIM_MILLI_INTL_UNIT_PER_HR	5714
i.u./kg/min	(international unit per kilo-gram per minute) NOM_DIM_X_INTL_UNIT_PER_KG_PER_MIN	5702
i.u.k/kg/min	(kilo intl per kilo gram per minute)	5792
i.u.k/kg/iiiiii	NOM_DIM_KILO_INTL_UNIT_PER_KG_PER_MIN	5795
mi.u./kg/min	(milli-international unit per kilo-gram per minute)	2177
iiii.u., kg/ iiiiii	NOM_DIM_MILLI_INTL_UNIT_PER_KG_PER_MIN	5810
i.u./kg/hour	(international unit per kilo-gram per hour)	,010
8	NOM_DIM_X_INTL_UNIT_PER_KG_PER_HR	5824
k/kg/hr	(intl unit per kilogram per hour)	
C	NOM_DIM_KILO_INTL_UNIT_PER_KG_PER_HR	5827
mi.u./kg/hour	(milli-international unit per kilo-gram per hour)	
	NOM_DIM_MILLI_INTL_UNIT_PER_KG_PER_HR	5842
ml/cmH2O	(milli-liter per centimeter H2O)	
	NOM_DIM_MILLI_L_PER_CM_H2O	5906
cmH2O/l/sec	(centimeter H2O per second)	
1-7	NOM_DIM_CM_H2O_PER_L_PER_SEC	5920
ml2/sec	(milli-liter per second)	5050
1120/0/	NOM_DIM_MILLI_L_SQ_PER_SEC	5970
cmH2O/%	(centimeter H2O per percent)	500/
DC* 2/ 5	NOM_DIM_CM_H2O_PER_PERCENT	5984
DS*m2/cm5	(used for SVRI and PVRI) NOM_DIM_DYNE_SEC_PER_M_SQ_PER_CM_5	6016
°C	(degree-celsius)	0010
C	NOM_DIM_DEGC	6048
cmH2O/l	(centimeter H2O per liter)	0010
011112071	NOM_DIM_CM_H2O_PER_L	6144
mmHg/%	(milli-meter mercury per percent)	
J	NOM_DIM_MM_HG_PER_PERCENT	6176
kPa/%	(kilo-pascal per percent)	
	NOM_DIM_KILO_PA_PER_PERCENT	6211
1/mmHg	(liter per mmHg)	

m1/mmUa	NOM_DIM_X_L_PER_MM_HG (milli-liter per milli-meter Hg)	6272
ml/mmHg	NOM_DIM_MILLI_L_PER_MM_HG	6290
mAh	(milli-ampere per hour used e.g. for the battery indications) NOM_DIM_MILLI_AMP_HR	6098
ml/dl	(used for CaO2 CvO2 Ca-vO2)	
1D	NOM_DIM_MILLI_L_PER_DL	6418
dB	(decibel) NOM_DIM_DECIBEL	6432
g/mg	(gram per milli-gram) NOM_DIM_X_G_PER_MILLI_G	6464
mg/mg	(milli-gram per milli-gram) NOM_DIM_MILLI_G_PER_MILLI_G	6482
bpm/l	(beats per minute per liter) NOM_DIM_BEAT_PER_MIN_PER_X_L	6496
bpm/ml	(beats per minute per milli-liter) NOM_DIM_BEAT_PER_MIN_PER_MILLI_L	6514
1/(min*l)	(per minute per liter) NOM_DIM_PER_X_L_PER_MIN	6528
m/min	(meter per minute)	0)20
	NOM_DIM_X_M_PER_MIN	6560
cm/min	(speed for recordings) NOM_DIM_CENTI_M_PER_MIN	6577
pg/ml	(pico-gram per milli-liter) NOM_DIM_PICO_G_PER_ML	2165
ug/l	(micro-gram per liter) NOM_DIM_MICRO_G_PER_L	2067
ng/l	(nano-gram per liter) NOM_DIM_NANO_G_PER_L	2068
/mm ³	(per cubic millimeter) NOM_DIM_PER_CUBIC_MILLI_M	1682
mm^3	(cubic milli-meter) NOM_DIM_CUBIC_MILLI_M	
u/l	(intl. units per liter)	1586
/1	NOM_DIM_X_INTL_UNIT_PER_L (10^6 intl. units per liter)	5568
	NOM_DIM_MEGA_INTL_UNIT_PER_L	5573
mol/kg	(mole per kilo-gram) NOM_DIM_MILLI_MOL_PER_KG	4946
mcg/dl	(micro-gram per deci-liter)	
mg/l	NOM_DIM_MICRO_G_PER_DL (milli-gram per liter)	2131
	NOM_DIM_MILLI_G_PER_L	2066
/ul	(micro-liter) NOM_DIM_PER_MICRO_L	1715
complx	(-) NOM_DIM_COMPLEX	61440
count	(count as a dimension)	
part	NOM_DIM_COUNT (part)	61441
r	NOM_DIM_PART	61442
puls	(puls) NOM_DIM_PULS	61443
μV p-p	(micro-volt peak to peak)	01443
r · r r	NOM_DIM_UV_PP	61444
11V2	(micor-volt square)	

	NOM_DIM_UV_SQ	61445
lumen	(lumen)	
	NOM_DIM_LUMEN	61447
lb/in2	(pound per square inch)	(1//0
TT /	NOM_DIM_LB_PER_INCH_SQ	61448
mmHg/s	(milli-meter mercury per second) NOM_DIM_MM_HG_PER_SEC	61449
ml/s	(milli-liter per second)	01449
1111/3	NOM_DIM_ML_PER_SEC	61450
bpm/ml	(beat per minute per milli-liter)	01170
op,	NOM_DIM_BEAT_PER_MIN_PER_ML_C	61451
J/day	(joule per day)	
	NOM_DIM_X_JOULE_PER_DAY	61536
kJ/day	(kilo joule per day)	
	NOM_DIM_KILO_JOULE_PER_DAY	61539
MJ/day	(mega joule per day)	
	NOM_DIM_MEGA_JOULE_PER_DAY	61540
cal	(calories)	
, ,	NOM_DIM_X_CALORIE	61568
kcal	(kilo calories)	(1571
10**/	NOM_DIM_KILO_CALORIE	61571
10**6 cal	(million calories) NOM_DIM_MEGA_CALORIE	61572
cal/day	(calories per day)	013/2
Cair Gay	NOM_DIM_X_CALORIE_PER_DAY	61600
kcal/day	(kilo-calories per day)	01000
	NOM_DIM_KILO_CALORIE_PER_DAY	61603
Mcal/day	(mega calories per day)	
,	NOM_DIM_MEGA_CALORIE_PER_DAY	61604
mcal/day	(milli calorie per day)	
	NOM_DIM_MILLI_CALORIE_PER_DAY	61618
cal/ml	(calories per milli-liter)	
	NOM_DIM_X_CALORIE_PER_ML	61632
kcal/ml	(kilo calories per ml)	(1/25
1/ 1	NOM_DIM_KILO_CALORIE_PER_ML	61635
mcal/ml	(milli-calories per milli-liter)	61650
J/ml	NOM_DIM_MILLI_CALORIE_PER_ML (Joule per milli-liter)	61630
J/1111	NOM_DIM_X_JOULE_PER_ML	61664
kJ/ml	(kilo-joules per milli-liter)	01001
	NOM_DIM_KILO_JOULE_PER_ML	61667
RPM	(revolutions per minute)	
	NOM_DIM_X_REV_PER_MIN	61696
l/(mn*l*kg)	(per minute per liter per kilo)	
	NOM_DIM_PER_L_PER_MIN_PER_KG	61728
l/mbar	(liter per milli-bar)	
	NOM_DIM_X_L_PER_MILLI_BAR	61760
ml/mbar	(milli-liter per milli-bar)	(1550
1/1 /1	NOM_DIM_MILLI_L_PER_MILLI_BAR	61778
l/kg/hr	(liter per kilo-gram per hour)	(1702
ml/kg/hr	NOM_DIM_X_L_PER_KG_PER_HR (milli-liter per kilogram per hour)	61792
1111/12/111	NOM_DIM_MILLI_L_PER_KG_PER_HR	61810
bar/l/s	(bar per liter per sec)	01010
	NOM_DIM_X_BAR_PER_LITER_PER_SEC	61824
mbar/l/s	(milli-bar per liter per sec)	

	NOM_DIM_MILLI_BAR_PER_LITER_PER_SEC	61842
bar/l	(bar per liter) NOM_DIM_X_BAR_PER_LITER	61856
mbar/l	(bar per liter) NOM_DIM_MILLI_BAR_PER_LITER	61874
V/mV	(volt per milli-volt) NOM_DIM_VOLT_PER_MILLI_VOLT	61888
cmH2O/uV	(cm H2O per micro-volt) NOM_DIM_CM_H2O_PER_MICRO_VOLT	61920
J/l	(joule per liter) NOM_DIM_X_JOULE_PER_LITER	61952
l/bar	(liter per bar)	
m/mV	NOM_DIM_X_L_PER_BAR (meter per milli-volt)	61984
mm/mV	NOM_DIM_X_M_PER_MILLI_VOLT (milli-meter per milli-volt)	62016
l/min/kg	NOM_DIM_MILLI_M_PER_MILLI_VOLT (liter per minute per kilo-gram)	62034
ml/min/kg	NOM_DIM_X_L_PER_MIN_PER_KG (milli-liter per minute per kilo-gram)	62048
Pa/l/s	NOM_DIM_MILLI_L_PER_MIN_PER_KG (pascal per liter per sec)	62066
hPa/l/s	NOM_DIM_X_PASCAL_PER_L_PER_SEC (hPa per liter per sec)	62080
kPa/l/s	NOM_DIM_HECTO_PASCAL_PER_L_PER_SEC (kPa per liter per sec)	62082
ml/Pa	NOM_DIM_KILO_PASCAL_PER_L_PER_SEC (milli-liter per pascal)	62083
ml/hPa	NOM_DIM_MILLI_L_PER_X_PASCAL (milli-liter per hecto-pascal)	62112
ml/kPa	NOM_DIM_MILLI_L_PER_HECTO_PASCAL (milli-liter per kilo-pascal)	62114
	NOM_DIM_MILLI_L_PER_KILO_PASCAL (mm)	62115
mmHg/l/s	NOM_DIM_MM_HG_PER_X_L_PER_SEC	62144
mol/h	(mole per hour) NOM_DIM_X_MOLE_PER_HR	62176
mmol/h	(milli-mol per hour) NOM_DIM_MILLI_MOLE_PER_HR	62194
umol/h	(micro-mole per hour) NOM_DIM_MICRO_MOLE_PER_HR	62195
l/beat	(liter per beat) NOM_DIM_X_L_PER_BEAT	62208
ml/beat	(milli-liter per beat) NOM_DIM_MILLI_L_PER_BEAT	62226
l/beat/m2	(liter per beat per square meter) NOM_DIM_X_L_PER_BEAT_PER_M_SQ	62240
ml/beat/m2	(milli-liter per beat per square meter) NOM_DIM_MILLI_L_PER_BEAT_PER_M_SQ	62258
bar/s	(bar per second) NOM_DIM_X_BAR_PER_SEC	62272
mbar/s	(milli-bar per second) NOM_DIM_MILLI_BAR_PER_SEC	62290
pascal/l	(pascal per liter) NOM_DIM_X_PASCAL_PER_L	62304
hpascal/l	(hecto pascal per liter)	02301

	NOM_DIM_HECTO_PASCAL_PER_L	62306
kpascal/l	(kilo pascal per liter)	J
"	NOM_DIM_KILO_PASCAL_PER_L	62307
mmHg/l	(mmHg per liter)	(2226
107.41	NOM_DIM_MM_HG_PER_L	62336
vol%/l	(volume percent per liter)	(22(2
., .	NOM_DIM_VOL_PERCENT_PER_L	62368
j/min	(joule per minute)	62.600
., .	NOM_DIM_X_JOULE_PER_MIN	62400
mol/ml	(Mole per milli-liter)	<i></i>
., .	NOM_DIM_X_MOLE_PER_ML	62432
mmol/ml	(milli mole per milli liter)	
	NOM_DIM_MILLI_MOLE_PER_ML	62450
umol/ml	(micro mol per ml)	· - /
	NOM_DIM_MICRO_MOLE_PER_ML	62451
bar/min	(bar per minute)	
	NOM_DIM_X_BAR_PER_MIN	62464
mbar/min	(millibar per minute)	
	NOM_DIM_MILLI_BAR_PER_MIN	62482
pascal/min	(pascal per minute)	
	NOM_DIM_X_PASCAL_PER_MIN	62496
hpascal/min	(hecto pascal per minute)	
	NOM_DIM_HECTO_PASCAL_PER_MIN	62498
%min	(percent minute)	
	NOM_DIM_PERCENT_MIN	62528
%h	(percent hour)	
	NOM_DIM_PERCENT_HR	62560
l/cmH2O/kg	(liter per cm H2O per kilogram)	
	NOM_DIM_X_L_PER_CM_H2O_PER_KG	62592
ml/cmH2O/k	g(milli liter per cm H2O per kilo gram)	
	NOM_DIM_MILLI_L_PER_CM_H2O_PER_KG	62610
cm/H2O/min	(centimeter H2O per minute)	
	NOM_DIM_CM_H2O_PER_MIN	62624

Alert Codes

The first column in the tables below shows the alert source, the second column shows the associated alert code and the third column contains the alert text which would be displayed by the monitor. The XXX in the alert text is a placeholder for the actual alert source. It is filled depending on the alert source. Note that the alert text depends on the localization of your monitor.

The least significant bit of the alert codes listed below is used to identify the source of an alert (refer to "Alert Monitor Object" on page 99). If the alert code is marked with a (*), the associated alert source is from the object oriented nomenclature partition and hence the least significant bit of the alert code is set to 1.

NOTE On monitors with SW Rev. G.0 or lower some alert codes will only be issued correctly, if the connected MMS or FMS has the same or a higher SW revision.

ECG/HR/Arrhy

Alert Source	Alert Code	Alert Text
NOM_ECG_ELEC_POTL	NOM_EVT_EQUIP_MALF	ECG EQUIP MALF
NOM_ECG_ELEC_POTL	NOM_EVT_LEADS_OFF	ECG LEADS OFF
NOM_ECG_ELEC_POTL	NOM_EVT_LEAD_DISCONN_YELLOW	!! ECG LEADS OFF
NOM_ECG_ELEC_POTL	NOM_EVT_LEADS_OFF	!!!ECG LEADS OFF
NOM_ECG_ELEC_POTL	NOM_EVT_NOISY	ECG NOISY SIGNAL
NOM_ECG_LEAD_ <xxx> any ECG lead code</xxx>	NOM_EVT_LEAD_DISCONN	<lead> LEAD OFF</lead>
NOM_ECG_LEAD_ <xxx> any ECG lead code</xxx>	NOM_EVT_NOISY	ECG EL. NOISY <lead></lead>
NOM_ECG_ELEC_POTL	NOM_EVT_SIG_UNANALYZEABLE	CANNOT ANALYZE ECG
NOM_ECG_ELEC_POTL	NOM_EVT_UNDEF	XXXXXX UNKN. ALERT
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_ASYSTOLE	*** ASYSTOLE
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_V_FIB_TACHY	*** VENT FIB/TACH
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_BRADY_EXTREME	*** EXTREME BRADY
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_TACHY_EXTREME	*** EXTREME TACHY
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_LO	** XXXXXX LOW
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_HI	** XXXXXX HIGH
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_PACER_NOT_PACING	** PACER NT PACING
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_PACING_NON_CAPT	** PACER NOT CAPT
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_SV_TACHY	** SVT
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_BEAT_MISSED	** MISSED BEAT
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_PAUSE	** PAUSE
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_CARD_BEAT_RATE_IRREG	** IRREGULAR HR
NOM_ECG_V_P_C_CNT	NOM_EVT_STAT_ECG_AL_SOME_OFF	SOME ECG ALRMS OFF
NOM_ECG_V_P_C_CNT	NOM_EVT_STAT_ECG_AL_ALL_OFF	ALL ECG ALARMS OFF
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_TACHY	*** VTACH
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_P_C_RATE	** PVCs/min HIGH
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_RHY	** VENT RHYTHM
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_P_C_RUN	** RUN PVCs HIGH
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_P_C_PAIR	** PAIR PVCs
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_P_C_RonT	** R-ON-T PVCs
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_BIGEM	** VENT BIGEMINY
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_TRIGEM	** VENT TRIGEMINY
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_TACHY_NON_SUST	** NON-SUSTAIN VT
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_P_C_MULTIFORM	** MULTIFORM PVCs
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_PACER_NOT_PACING	* PACER NT PACING
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_PACING_NON_CAPT	* PACER NOT CAPT
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_SV_TACHY	* SVT
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_BEAT_MISSED	* MISSED BEAT
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_PAUSE	* PAUSE
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_CARD_BEAT_RATE_IRREG	* IRREGULAR HR

Alert Source	Alert Code	Alert Text
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_P_C_RATE	* PVCs/min HIGH
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_RHY	* VENT RHYTHM
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_P_C_RUN	* RUN PVCs HIGH
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_P_C_PAIR	* PAIR PVCs
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_P_C_RonT	* R-ON-T PVCs
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_BIGEM	* VENT BIGEMINY
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_TRIGEM	* VENT TRIGEMINY
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_TACHY_NON_SUST	* NON-SUSTAIN VT
NOM_ECG_V_P_C_CNT	NOM_EVT_ECG_V_P_C_MULTIFORM	* MULTIFORM PVCs
NOM_OBJ_ECG_OUT	NOM_EVT_UNAVAIL	ExtSyncOutUnsupptd

ST

Alert Source	Alert Code	Alert Text
NOM_ECG_AMPL_ST	NOM_EVT_SIG_UNANALYZEABLE	CANNOT ANALYZE ST
NOM_ECG_AMPL_ST	NOM_EVT_ST_ELEVATION	**STE Multi
NOM_ECG_AMPL_ST_ <xxx>any ST lead code</xxx>	NOM_EVT_LO	** <lead> LOW</lead>
NOM_ECG_AMPL_ST_ <xxx>any ST lead code</xxx>	NOM_EVT_HI	** <lead> HIGH</lead>
NOM_ECG_AMPL_ST	NOM_EVT_ST_MULTI	**ST MULTI XXX,XXX

QT Analysis

Alert Source	Alert Code	Alert Text
	NOM_EVT_SIG_UNANALYZEAB LE	CANNOT ANALYZE QT
NOM_ECG_LEAD_C, NOM_ECG_LEAD_RA.	NOM_EVT_HI	** XXXXXX HIGH
NOM_ECG_LEAD_LA,		
NOM_ECG_LEAD_LL,		
NOM_ECG_LEAD_RL,		
NOM_ECG_LEAD_C1,		
NOM_ECG_LEAD_C2,		
NOM_ECG_LEAD_C3,		
NOM_ECG_LEAD_C4,		
NOM_ECG_LEAD_C5,		
NOM_ECG_LEAD_C6,		
NOM_ECG_LEAD_A,		
NOM_ECG_LEAD_S,		
NOM_ECG_LEAD_I		
NOM_ECG_LEAD_E		

Resp

Alert Source	Alert Code	Alert Text
NOM_RESP	NOM_EVT_LEADS_OFF	XXXXXX LEADS OFF
NOM_RESP	NOM_EVT_ERRATIC	XXXXXX ERRATIC
NOM_RESP_RATE	NOM_EVT_APNEA	*** APNEA
NOM_RESP_RATE	NOM_EVT_LO	** XXXXXX LOW
NOM_RESP_RATE	NOM_EVT_HI	** XXXXXX HIGH

Derived Measurements

Alert Source	Alert Code	Alert Text
NOM_PRESS_CEREB_PERF	NOM_EVT_ADVIS_SRC_CHK	XXXXXX CHK SOURCES
NOM_RES_VASC_SYS	NOM_EVT_ADVIS_SRC_CHK	XXXXXX CHK SOURCES
NOM_RES_VASC_SYS_INDEX	NOM_EVT_ADVIS_SRC_CHK	XXXXXX CHK SOURCES
NOM_TEMP_DIFF	NOM_EVT_ADVIS_SRC_CHK	XXXXXX CHK SOURCES
NOM_SAT_DIFF_02_ART_VEN	NOM_EVT_ADVIS_SRC_CHK	XXXXXX CHK SOURCES
NOM_PULS_OXIM_SAT_O2_DIFF	NOM_EVT_ADVIS_SRC_CHK	XXXXXX CHK SOURCES
NOM_RATE_DIFF_CARD_BEAT_PULSE	NOM_EVT_ADVIS_SRC_CHK	XXXXXX CHK SOURCES
NOM_PRESS_CEREB_PERF	NOM_EVT_ADVIS_UNIT_CHK	XXXXXX CHK UNITS
NOM_RES_VASC_SYS	NOM_EVT_ADVIS_UNIT_CHK	XXXXXX CHK UNITS
NOM_RES_VASC_SYS_INDEX	NOM_EVT_ADVIS_UNIT_CHK	XXXXXX CHK UNITS
NOM_TEMP_DIFF	NOM_EVT_ADVIS_UNIT_CHK	XXXXXX CHK UNITS
NOM_SAT_DIFF_02_ART_VEN	NOM_EVT_ADVIS_UNIT_CHK	XXXXXX CHK UNITS
NOM_PULS_OXIM_SAT_O2_DIFF	NOM_EVT_ADVIS_UNIT_CHK	XXXXXX CHK UNITS
NOM_RATE_DIFF_CARD_BEAT_PULSE	NOM_EVT_ADVIS_UNIT_CHK	XXXXXX CHK UNITS
NOM_RES_VASC_SYS	NOM_EVT_ADVIS_PRESUMED_CVP	XXXXXXSET CVP USED
NOM_RES_VASC_SYS_INDEX	NOM_EVT_ADVIS_PRESUMED_CVP	XXXXXXSET CVP USED
NOM_PRESS_CEREB_PERF	NOM_EVT_HI	** XXXXXX HIGH
NOM_PRESS_CEREB_PERF	NOM_EVT_LO	** XXXXXX LOW

C.O./CCO

Alert Source	Alert Code	Alert Text
NOM_VMD_CARD_OUTPUT	NOM_EVT_EQUIP_MALF+1	XXXXXX EQUIP MALF
NOM_OUTPUT_CARD_CTS	NOM_EVT_XDUCR_DISCONN	CCO/TЫ NO TRANSD.
NOM_OUTPUT_CARD	NOM_EVT_XDUCR_DISCONN	XXXXXX NO TRANSDUC
NOM_TEMP_BLOOD	NOM_EVT_RANGE_ERR	XXXXXX OVERRANGE
NOM_TEMP_BLOOD	NOM_EVT_MSMT_RANGE_OVER	XXXXXX OVERRANGE
NOM_TEMP_BLOOD	NOM_EVT_HI	** XXXXXX HIGH
NOM_TEMP_BLOOD	NOM_EVT_LO	** XXXXXX LOW
NOM_OUTPUT_CARD_CTS	NOM_EVT_UNSUPPORTED	CCO NOT SUPPORTED
NOM_OUTPUT_CARD_CTS	NOM_EVT_SRC_ABSENT	CCO NO XXX
NOM_OUTPUT_CARD_CTS	NOM_EVT_ADVIS_SRC_CHK	CCO XXX INVALID
NOM_OUTPUT_CARD_CTS	NOM_EVT_STAT_PULSE_SRC_RANGE_OVER	CCO PULSE OVERRANG
NOM_OUTPUT_CARD_CTS	NOM_EVT_ADVIS_CALIB_REQD	CCO NO CALIBRATION
NOM_OUTPUT_CARD_CTS	NOM_EVT_STAT_PRESS_SRC_RANGE_OVER	CCO PRESS OVERRANG
NOM_OUTPUT_CARD_CTS	NOM_EVT_SIG_UNANALYZEABLE	CCO BAD PRESS SIGN
NOM_OUTPUT_CARD_CTS	NOM_EVT_MSMT_RANGE_OVER	XXXXXX OVERRANGE
NOM_OUTPUT_CARD_CTS	NOM_EVT_ADVIS_CALIB_AND_ZERO_CHK	CCO RECALIBRATE
NOM_OUTPUT_CARD_CTS	NOM_EVT_HI	** XXXXXX HIGH
NOM_OUTPUT_CARD_CTS	NOM_EVT_LO	** XXXXXX LOW
NOM_OUTPUT_CARD_INDEX_CTS	NOM_EVT_ADVIS_BSA_REQD	CCI NO BSA
NOM_OUTPUT_CARD_INDEX_CTS	NOM_EVT_MSMT_RANGE_OVER	XXXXXX OVERRANGE
NOM_OUTPUT_CARD_INDEX_CTS	NOM_EVT_HI	** XXXXXX HIGH
NOM_OUTPUT_CARD_INDEX_CTS	NOM_EVT_LO	** XXXXXX LOW

EEG

Alert Source	Alert Code	Alert Text
NOM_EEG_ELEC_POTL_CRTX	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
NOM_EEG_ELEC_POTL_CRTX	NOM_EVT_XDUCR_DISCONN	XXXXXX NO TRANSDUC
NOM_EEG_ELEC_POTL_CRTX	NOM_EVT_LEADS_OFF	XXXXXX LEADS OFF
NOM_EEG_ELEC_POTL_CRTX	NOM_EVT_MSMT_RANGE_OVER	XXXXXX OVERRANGE
NOM_EEG_ELEC_POTL_CRTX	NOM_EVT_IMPED_HI	EEG IMPEDANCE HIGH
NOM_EEG_ELEC_POTL_CRTX	NOM_EVT_MUSCLE_NOISE	EEG MUSCLE NOISE
NOM_EEG_ELEC_POTL_CRTX	NOM_EVT_LINE_NOISE	EEG LINE NOISE
NOM_OBJ_CHAN_1	NOM_EVT_LEAD_DISCONN+1	EEG1 LEAD OFF XXX
NOM_OBJ_CHAN_2	NOM_EVT_LEAD_DISCONN+1	EEG2 LEAD OFF XXX
NOM_OBJ_CHAN_1	NOM_EVT_LEADS_OFF+1	XXXXXX LEADS OFF
NOM_OBJ_CHAN_2	NOM_EVT_LEADS_OFF+1	XXXXXX LEADS OFF
NOM_OBJ_CHAN_1	NOM_EVT_MSMT_RANGE_OVER+1	XXXXXX OVERRANGE
NOM_OBJ_CHAN_2	NOM_EVT_MSMT_RANGE_OVER+1	XXXXXX OVERRANGE
NOM_OBJ_CHAN_1	NOM_EVT_MUSCLE_NOISE+1	XXXXXXMUSCLE NOISE
NOM_OBJ_CHAN_2	NOM_EVT_LINE_NOISE+1	XXXXXX LINE NOISE
NOM_OBJ_CHAN_1	NOM_EVT_IMPED_HI+1	EEG1 IMPED. HIGH
NOM_OBJ_CHAN_1	NOM_EVT_IMPEDS_HI+1	EEG1 IMPED. HIGH
NOM_OBJ_CHAN_2	NOM_EVT_IMPED_HI+1	EEG2 IMPED. HIGH
NOM_OBJ_CHAN_2	NOM_EVT_IMPEDS_HI+1	EEG2 IMPED. HIGH

BIS

Alert Source	Alert Code	Alert Text
NOM_DEV_ANALY_BISPECTRAL_I NDEX_VMD	NOM_EVT_EQUIP_MALF+1	XXXXXX EQUIP MALF
NOM_DEV_ANALY_BISPECTRAL_I NDEX_VMD	NOM_EVT_DISCONN+1	BIS ENGINE DISCONN
NOM_DEV_ANALY_BISPECTRAL_I NDEX_VMD	NOM_EVT_VOLTAGE_OUT_OF_RANGE+1	BIS OVERCURRENT
NOM_EEG_BISPECTRAL_INDEX	NOM_EVT_INCOMPAT	BIS ENGINE INCOMPT
NOM_DEV_ANALY_BISPECTRAL_I NDEX_VMD	NOM_EVT_MALF+1	BIS ENGINE MALFUNC
NOM_DEV_ANALY_BISPECTRAL_I NDEX_VMD	NOM_EVT_XDUCR_DISCONN+1	BIS DSC DISCONN
NOM_DEV_ANALY_BISPECTRAL_I NDEX_VMD	NOM_EVT_STAT_FW_UPDATE_IN_PROGRESS+1	BIS DSC UPDATE
NOM_OBJ_XDUCR	NOM_EVT_INCOMPAT+1	BIS DSC INCOMPT
NOM_DEV_ANALY_BISPECTRAL_I NDEX_VMD	NOM_EVT_XDUCR_MALF+1	BIS DSC MALFUNC
NOM_DEV_ANALY_BISPECTRAL_I NDEX_VMD	NOM_EVT_SENSOR_DISCONN+1	BIS SENSOR DISCONN
NOM_DEV_ANALY_BISPECTRAL_I NDEX_VMD	NOM_EVT_SENSOR_MALF+1	BIS SENSOR MALFUNC

Alert Source	Alert Code	Alert Text
NOM_OBJ_SENSOR	NOM_EVT_INCOMPAT+1	BIS SENSOR INCOMPT
NOM_OBJ_SENSOR	NOM_EVT_EXH+1	BIS SENSOR USAGE
NOM_ELECTRODE_IMPED	NOM_EVT_ADVIS_CHK	BIS SENSOR CHECK
NOM_EEG_BISPECTRAL_INDEX	NOM_EVT_LEAD_DISCONN	BIS LEAD OFF
NOM_EEG_BISPECTRAL_INDEX	NOM_EVT_IMPED_HI	BIS HIGH IMPEDANCE
NOM_EEG_BIS_SIG_QUAL_INDEX	NOM_EVT_SIG_LO	BIS SQI < 15%
NOM_EEG_BISPECTRAL_INDEX	NOM_ELECTRODE_IMPED	BIS SENSOR CHeCK
NOM_EEG_BISPECTRAL_INDEX	NOM_EVT_LEAD_DISCONN	BIS LEAD OFF
NOM_EEG_BISPECTRAL_INDEX	NOM_EVT_IMPED_HI	BIS HIGH IMPEDANCE
NOM_EEG_BIS_SIG_QUAL_INDEX	NOM_EVT_LO	BIS SQI < 50%
NOM_EEG_ELEC_POTL_CRTX	NOM_EVT_ABSENT	BIS ISOELECTRC EEG
NOM_EEG_BISPECTRAL_INDEX	NOM_EVT_HI	** XXXXXX HIGH
NOM_EEG_BISPECTRAL_INDEX	NOM_EVT_LO	** XXXXXX LOW
NOM_EEG_BISPECTRAL_INDEX	NOM_EVT_DISCONN	BISx DISCONNECTED
NOM_EEG_BISPECTRAL_INDEX	NOM_EVT_INCOMPAT	BISx INCOMPATIBLE
NOM_EEG_BISPECTRAL_INDEX	NOM_EVT_MALF	BISx MALFUNCTION
NOM_OBJ_SENSOR	NOM_EVT_SENSOR_DISCONN+1	BIS ELECTR. DISC.
NOM_OBJ_CABLE	NOM_EVT_INCOMPAT+1	BIS CABLE INCOMPAT
NOM_OBJ_CABLE	NOM_EVT_EXH+1	BIS CABLE USAGE

NMT

Alert Source	Alert Code	Alert Text
NOM_DEV_NMT_VMD	NOM_EVT_MALF+1	NMT Equip Malfunct
NOM_DEV_NMT_VMD	NOM_EVT_INCOMPAT+1	NMT Incompatible
NOM_DEV_NMT_VMD	NOM_EVT_STAT_FW_UPDATE_IN_PROGR ESS+1	NMT Upgrade
NOM_DEV_NMT_VMD	NOM_EVT_SENSOR_DISCONN+1	NMT Cable Disconn
NOM_DEV_NMT_VMD	NOM_EVT_SENSOR_PROB+1	NMT Cable Unknown
NOM_DEV_NMT_VMD	NOM_EVT_SENSOR_MALF+1	NMT Sensor Malfunc
NOM_DEV_NMT_VMD	NOM_EVT_LEADS_OFF+1	NMT Lead Off
NOM_DEV_NMT_VMD	NOM_EVT_IMPED_HI+1	NMT Impedance High
NOM_DEV_NMT_VMD	NOM_EVT_SHUTDOWN+1	NMT Overcurrent
NOM_DEV_NMT_VMD	NOM_EVT_PAT_TYPE_UNSUPPORTED+1	NMT Neo Patient?
NOM_DEV_NMT_VMD	NOM_EVT_STAT_CALIB_RUNNING+1	NMT Cal Running
NOM_DEV_NMT_VMD	NOM_EVT_CALIB_FAIL+1	NMT Cal Failed
NOM_DEV_NMT_VMD	NOM_EVT_MSMT_INOP+1	NMT Cannot Measure

Alert Source	Alert Code	Alert Text
NOM_DEV_NMT_VMD	NOM_EVT_NOISY_SIGNAL+1	NMT Noisy Signal
NOM_DEV_NMT_VMD	NOM_EVT_MSMT_RANGE_OVER+1	NMT Overrange
NOM_DEV_NMT_VMD	NOM_EVT_STAT_AL_OFF+1	NMT Alarm Suppress
NOM_TRAIN_OF_FOUR_CNT	NOM_EVT_HI	**TOFcnt High

Temp

*

Alert Source	Alert Code	Alert Text
* any temperature (e.g.NOM_TEMP)	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
* any temperature (e.g.NOM_TEMP)	NOM_EVT_XDUCR_DISCONN	XXXXXX NO TRANSDUC
* any temperature (e.g.NOM_TEMP)	NOM_EVT_MSMT_RANGE_OVER	XXXXXX OVERRANGE
* any temperature (e.g.NOM_TEMP)	NOM_EVT_HI	** XXXXXX HIGH
* any temperature (e.g.NOM_TEMP)	NOM_EVT_LO	** XXXXXX LOW

Invasive Pressure

Alert Source	Alert Code	Alert Text
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_XDUCR_DISCONN	XXX NO TRANSDUCER
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_XDUCR_MALF	XXX TRANSDUC MALF
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_ADVIS_CALIB_AND_ZER O_CHK	XXX ZERO+CHECK CAL
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_MSMT_RANGE_OVER	XXX OVERRANGE
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_WAVE_ARTIF_ERR	XXX ARTIFACT
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_ADVIS_GAIN_DECR	XXXXXX REDUCE SIZE
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_WAVE_OSCIL_ABSENT	XXX NON-PULSATILE
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_NOISY	XXX NOISY SIGNAL
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_HI	** XXXXXX HIGH
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_LO	** XXXXXX LOW
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_HI	** XXXXXX HIGH
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_LO	** XXXXXX LOW
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_HI	** XXXXXX HIGH
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_LO	** XXXXXX LOW
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_MSMT_DISCONN	*** XXX DISCONNECT
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_EXTR_LO	*** XXXXXX LOW
* any pressure (e.g.NOM_PRESS_BLD)	NOM_EVT_EXTR_HI	*** XXXXXX HIGH
NOM_PULS_RATE	NOM_EVT_HI	** XXXXXX HIGH
NOM_PULS_RATE	NOM_EVT_LO	** XXXXXX LOW
NOM_PULS_RATE	NOM_EVT_BRADY	*** BRADY (Pulse)
NOM_PULS_RATE	NOM_EVT_TACHY	*** TACHY (Pulse)

SpO₂

Alert Source	Alert Code	Alert Text
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_SENSOR_MALF	XXXXXX SENSOR MALF
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_XDUCR_DISCONN	XXXXXX NO SENSOR
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_MSMT_INTERF_ERR	XXXXXX INTERFERNCE
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_ADVIS_SENSOR_CHK	XXXXXX UNKN.SENSOR
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_NOISY	XXXXXX NOISY SIGN.
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_STAT_FW_UPDATE_IN_P ROGRESS	XXXXXX UPGRADE
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_WAVE_OSCIL_ABSENT	XXXXXX NON-PULSAT.

Alert Source	Alert Code	Alert Text
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_ERRATIC	XXXXXX ERRATIC
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_STAT_LEARN	XXXXXX SEARCHING
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_SUST	XXXXXX EXTD.UPDATE
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_MSMT_RANGE_UNDER	XXXXXX PULSE?
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_SENSOR_DISCONN	XXXXXX SENSOR OFF
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_WAVE_SIG_QUAL_ERR	XXXXXX POOR SIGNAL
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_SIG_LO	XXXXXX LOW PERF
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_HI	** XXXXXX HIGH
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_LO	** XXXXXX LOW
any SpO2 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_DESAT	*** DESAT
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_LO	** XXXXXX LOW
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_HI	** XXXXXX HIGH
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_BRADY	*** BRADY (Pulse)
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_TACHY	*** TACHY (Pulse)
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_NO_DESAT_INDEX_ALAR M	No 3D Desat Index
any Sp02 (e.g. NOM_PULS_OXIM_SAT_O2_*)	NOM_EVT_NO_PERF_INDEX_ALAR M	No 3D Perf Delta
any Sp02 (e.g. NOM_PULS_OXIM_PERF_REL_*)	NOM_EVT_PERF_INDEX_DELTA	**3D Perf Delta

SvO_2

Alert Source	Alert Code	Alert Text
NOM_SAT_O2 (_VEN)	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
NOM_SAT_O2 (_VEN)	NOM_EVT_CONFIG_ERR	XXXXXX CONFIG ERROR
NOM_SAT_O2(_VEN)	NOM_EVT_STAT_OPT_MOD_SENSOR_CON N	SvO2 CONNCT OPTMOD
NOM_SAT_O2 (_VEN)	NOM_EVT_OPTIC_MODULE_ABSENT	XXXXXX NO OPTMOD
NOM_SAT_O2 (_VEN)	NOM_EVT_STAT_CALIB_PREINS_RUNNING	SvO2 PRE-INS CALIB
NOM_SAT_O2 (_VEN)	NOM_EVT_CALIB_FAIL	XXXXXX CAL FAILED
NOM_SAT_O2 (_VEN)	NOM_EVT_ADVIS_CALIB_REQD	XXXXXX CAL REQUIRED
NOM_SAT_O2 (_VEN)	NOM_EVT_STAT_CALIB_MODE	XXXXXX CAL MODE
NOM_SAT_O2 (_VEN)	NOM_EVT_SIG_LO	XXXXXX LOW LIGHT
NOM_SAT_O2 (_VEN)	NOM_EVT_MSMT_ERR	XXXXXX CANNOT MEAS
NOM_SAT_O2 (_VEN)	NOM_EVT_INTENS_LIGHT_ERR	XXXXXX LIGHT INTENS
NOM_SAT_O2 (_VEN)	NOM_EVT_STAT_CALIB_LIGHT_RUNNING	XXXXXX LIGHT CALIB
NOM_SAT_O2 (_VEN)	NOM_EVT_STAT_CALIB_INVIVO_RUNNING	XXXXXX IN-VIVO CALIB
NOM_SAT_O2(_VEN)	NOM_EVT_STAT_OPT_MOD_SENSOR_WAR MING	XXXXXX OPTMOD Warmup
NOM_SAT_O2(_VEN)	NOM_EVT_STAT_FW_UPDATE_IN_PROGRES S	XXXXXX UPGRADE
NOM_SAT_O2 (_VEN)	NOM_EVT_INCOMPAT	XXXXXX INCOMPAT.
NOM_SAT_O2 (_VEN)	NOM_EVT_OPTIC_MODULE_DEFECT	XXXXXX OPTMOD MALF
NOM_SAT_O2 (_VEN)	NOM_EVT_HI	** XXXXXX HIGH
NOM_SAT_O2 (_VEN)	NOM_EVT_LO	** XXXXXX LOW

CO_2

Alert Source	Alert Code	Alert Text
NOM_AWAY_CO2	NOM_EVT_EQUIP_MALF	CO2 EQUIP MALF
NOM_AWAY_CO2	NOM_EVT_EQUIP_MALF	CO2 EQUIP MALF
NOM_AWAY_CO2	NOM_EVT_XDUCR_DISCONN	XXXXXX NO TRANSDUC
NOM_AWAY_CO2	NOM_EVT_CALIB_FAIL	CO2 FAILED CAL
NOM_AWAY_CO2	NOM_EVT_WAIT_CAL	CO2 WAIT CAL2
NOM_AWAY_CO2	NOM_EVT_STAT_CALIB_RUNNING	XXXXXX CAL RUNNING
NOM_AWAY_CO2	NOM_EVT_STAT_CALIB_MODE	CO2 CAL MODE
NOM_AWAY_CO2	NOM_EVT_ADVIS_CALIB_AND_ZERO_CHK	CO2 CHECK CAL
NOM_AWAY_CO2	NOM_EVT_STAT_SENSOR_WARMING	CO2 SENSOR WARMUP
NOM_AWAY_CO2	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE
NOM_AWAY_CO2	NOM_EVT_SW_VER_UNK	CO2 UPDATE FW
NOM_AWAY_CO2	NOM_EVT_TUBE_DISCONN	CO2 NO TUBING
NOM_AWAY_CO2	NOM_EVT_TUBE_OCCL	CO2 OCCLUSION
NOM_AWAY_CO2	NOM_EVT_MSMT_RANGE_OVER	XXXXXX OVERRANGE
NOM_AWAY_CO2	NOM_EVT_TUBE_OBSTRUC	CO2 PURGING

Alert Source	Alert Code	Alert Text
NOM_AWAY_CO2	NOM_EVT_STAT_ZERO_RUNNING	CO2 AUTO ZERO
NOM_AWAY_CO2_ET	NOM_EVT_HI	** XXXXXX HIGH
NOM_AWAY_CO2_ET	NOM_EVT_LO	** XXXXXX LOW
NOM_AWAY_CO2_INSP_ MIN	NOM_EVT_HI	** XXXXXX HIGH
NOM_AWAY_RESP_RATE	NOM_EVT_APNEA	*** APNEA
NOM_AWAY_RESP_RATE	NOM_EVT_LO	** XXXXXX LOW
NOM_AWAY_RESP_RATE	NOM_EVT_HI	** XXXXXX HIGH

AGM

Alert Source	Alert Code	Alert Text
NOM_VMD_GAS_ANALY	NOM_EVT_INCOMPAT+1	XXX INCOMPATIBLE
NOM_VMD_GAS_ANALY	NOM_EVT_MALF+1	XXX MALFUNCTION
NOM_VMD_GAS_ANALY	NOM_EVT_MALF+1	XXX MALFUNCTION
NOM_VMD_GAS_ANALY	NOM_EVT_STAT_STANDBY+1	XXX STANDBY
NOM_VMD_GAS_ANALY	NOM_EVT_STAT_DISCONN+1	XXX NOT AVAILABLE
NOM_VMD_GAS_ANALY	NOM_EVT_STAT_SELFTEST_RUNNING+	XXX SELFTEST
NOM_VMD_GAS_ANALY	NOM_EVT_OBSTRUC+1	XXX OCCLUSION
NOM_VMD_GAS_ANALY	NOM_EVT_OBSTRUC+1	XXX OCCLUSION
NOM_VMD_GAS_ANALY	NOM_EVT_MSMT_INOP+1	XXX UNABLE TO MEAS
NOM_VMD_GAS_ANALY	NOM_EVT_MSMT_INOP+1	XXX UNABLE TO MEAS
NOM_VMD_GAS_ANALY	NOM_EVT_MSMT_RANGE_OVER+1	XXXXXX OVERRANGE
NOM_VMD_GAS_ANALY	NOM_EVT_STAT_CALIB_RUNNING+1	XXX ZERO RUNNING
NOM_VMD_GAS_ANALY	NOM_EVT_WARMING+1	XXX WARMUP
NOM_VMD_GAS_ANALY	NOM_EVT_CALIB_FAIL+1	XXX ZERO FAILED
NOM_VMD_GAS_ANALY	NOM_EVT_MSMT_ERR+1	XXX ACCURACY?
NOM_VMD_GAS_ANALY	NOM_EVT_STAT_AL_OFF+1	XXX ALARM SUPPRESS
NOM_VMD_GAS_ANALY	NOM_EVT_BREATH_ABSENT+1	XXX NO BREATH
NOM_AWAY_CO2	NOM_EVT_MSMT_INOP	XXX UNABLE TO MEAS
NOM_AWAY_CO2	NOM_EVT_DISTURB	XXX MEAS DISTURBED
NOM_AWAY_CO2	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE
NOM_AWAY_O2	NOM_EVT_MALF	O2 SENSOR MALFUNCT
NOM_AWAY_O2	NOM_EVT_CALIB_FAIL	O2 ZERO FAILED
NOM_AWAY_O2	NOM_EVT_MSMT_INOP	XXX UNABLE TO MEAS
NOM_AWAY_O2	NOM_EVT_DISTURB	XXX MEAS DISTURBED
NOM_AWAY_O2	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE
NOM_AWAY_N2O	NOM_EVT_MSMT_INOP	XXX UNABLE TO MEAS
NOM_AWAY_N2O	NOM_EVT_DISTURB	XXX MEAS DISTURBED
NOM_AWAY_N2O	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE
NOM_AWAY_AGENT	NOM_EVT_GAS_AGENT_IDENT_MALF	AGT ID MALFUNCTION
NOM_AWAY_DESFL	NOM_EVT_GAS_AGENT_IDENT_MALF	AGT ID MALFUNCTION
NOM_AWAY_ENFL	NOM_EVT_GAS_AGENT_IDENT_MALF	AGT ID MALFUNCTION
NOM_AWAY_HALOTH	NOM_EVT_GAS_AGENT_IDENT_MALF	AGT ID MALFUNCTION
NOM_AWAY_SEVOFL	NOM_EVT_GAS_AGENT_IDENT_MALF	AGT ID MALFUNCTION
NOM_AWAY_ISOFL	NOM_EVT_GAS_AGENT_IDENT_MALF	AGT ID MALFUNCTION
NOM_AWAY_AGENT	NOM_EVT_CALIB_FAIL	AGT ID ZERO FAILED
NOM_AWAY_DESFL	NOM_EVT_CALIB_FAIL	AGT ID ZERO FAILED
NOM_AWAY_ENFL	NOM_EVT_CALIB_FAIL	AGT ID ZERO FAILED
NOM_AWAY_HALOTH	NOM_EVT_CALIB_FAIL	AGT ID ZERO FAILED
NOM_AWAY_SEVOFL	NOM_EVT_CALIB_FAIL	AGT ID ZERO FAILED
NOM_AWAY_ISOFL	NOM_EVT_CALIB_FAIL	AGT ID ZERO FAILED

Alert Source	Alert Code	Alert Text
NOM_AWAY_AGENT	NOM_EVT_ADVIS_GAS_AGENT_CHK	CHECK AGENT
NOM_AWAY_DESFL	NOM_EVT_ADVIS_GAS_AGENT_CHK	CHECK AGENT
NOM_AWAY_ENFL	NOM_EVT_ADVIS_GAS_AGENT_CHK	CHECK AGENT
NOM_AWAY_HALOTH	NOM_EVT_ADVIS_GAS_AGENT_CHK	CHECK AGENT
NOM_AWAY_SEVOFL	NOM_EVT_ADVIS_GAS_AGENT_CHK	CHECK AGENT
NOM_AWAY_ISOFL	NOM_EVT_ADVIS_GAS_AGENT_CHK	CHECK AGENT
NOM_AWAY_AGENT	NOM_EVT_MSMT_INOP	XXX UNABLE TO MEAS
NOM_AWAY_DESFL	NOM_EVT_MSMT_INOP	XXX UNABLE TO MEAS
NOM_AWAY_ENFL	NOM_EVT_MSMT_INOP	XXX UNABLE TO MEAS
NOM_AWAY_HALOTH	NOM_EVT_MSMT_INOP	XXX UNABLE TO MEAS
NOM_AWAY_SEVOFL	NOM_EVT_MSMT_INOP	XXX UNABLE TO MEAS
NOM_AWAY_ISOFL	NOM_EVT_MSMT_INOP	XXX UNABLE TO MEAS
NOM_AWAY_AGENT	NOM_EVT_MSMT_RESTART	AGT MEAS RESTARTNG
NOM_AWAY_DESFL	NOM_EVT_MSMT_RESTART	AGT MEAS RESTARTNG
NOM_AWAY_ENFL	NOM_EVT_MSMT_RESTART	AGT MEAS RESTARTNG
NOM_AWAY_HALOTH	NOM_EVT_MSMT_RESTART	AGT MEAS RESTARTNG
NOM_AWAY_SEVOFL	NOM_EVT_MSMT_RESTART	AGT MEAS RESTARTNG
NOM_AWAY_ISOFL	NOM_EVT_MSMT_RESTART	AGT MEAS RESTARTNG
NOM_AWAY_AGENT	NOM_EVT_DISTURB	XXX MEAS DISTURBED
NOM_AWAY_DESFL	NOM_EVT_DISTURB	XXX MEAS DISTURBED
NOM_AWAY_ENFL	NOM_EVT_DISTURB	XXX MEAS DISTURBED
NOM_AWAY_HALOTH	NOM_EVT_DISTURB	XXX MEAS DISTURBED
NOM_AWAY_SEVOFL	NOM_EVT_DISTURB	XXX MEAS DISTURBED
NOM_AWAY_ISOFL	NOM_EVT_DISTURB	XXX MEAS DISTURBED
NOM_AWAY_AGENT	NOM_EVT_CONTAM	GAS CONTAMINANT
NOM_AWAY_DESFL	NOM_EVT_CONTAM	GAS CONTAMINANT
NOM_AWAY_ENFL	NOM_EVT_CONTAM	GAS CONTAMINANT
NOM_AWAY_HALOTH	NOM_EVT_CONTAM	GAS CONTAMINANT
NOM_AWAY_SEVOFL	NOM_EVT_CONTAM	GAS CONTAMINANT
NOM_AWAY_ISOFL	NOM_EVT_CONTAM	GAS CONTAMINANT
NOM_AWAY_AGENT	NOM_EVT_TOO_MANY_AGENTS	TOO MANY AGENTS
NOM_AWAY_DESFL	NOM_EVT_TOO_MANY_AGENTS	TOO MANY AGENTS
NOM_AWAY_ENFL	NOM_EVT_TOO_MANY_AGENTS	TOO MANY AGENTS
NOM_AWAY_HALOTH	NOM_EVT_TOO_MANY_AGENTS	TOO MANY AGENTS
NOM_AWAY_SEVOFL	NOM_EVT_TOO_MANY_AGENTS	TOO MANY AGENTS
NOM_AWAY_ISOFL	NOM_EVT_TOO_MANY_AGENTS	TOO MANY AGENTS
NOM_AWAY_AGENT	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE
NOM_AWAY_DESFL	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE
NOM_AWAY_ENFL	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE
NOM_AWAY_HALOTH	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE
NOM_AWAY_SEVOFL	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE
NOM_AWAY_ISOFL	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE

Alert Source	Alert Code	Alert Text
NOM_AWAY_AGENT	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_DESFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_ENFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_HALOTH	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_SEVOFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_ISOFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_N2	NOM_EVT_ADVIS_CHANGE_SCALE	XXXXXXCHANGE SCALE
NOM_AWAY_CO2_ET	NOM_EVT_LO	** XXXXXX LOW
NOM_AWAY_RESP_RATE	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_O2_INSP	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_AGENT_ET	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_AGENT_INSP	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_HALOTH_ET	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_HALOTH_INSP	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_ENFL_ET	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_ENFL_INSP	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_ISOFL_ET	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_ISOFL_INSP	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_SEVOFL_ET	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_SEVOFL_INSP	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_DESFL_ET	NOM_EVT_LO	** XXXXXX LOW
NOM_CONC_AWAY_DESFL_INSP	NOM_EVT_LO	** XXXXXX LOW
NOM_AWAY_CO2_ET	NOM_EVT_HI	** XXXXXX HIGH
NOM_AWAY_CO2_INSP_MIN	NOM_EVT_HI	** XXXXXX HIGH
NOM_AWAY_RESP_RATE	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_O2_INSP	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_N2O_INSP	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_AGENT_ET	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_AGENT_INSP	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_HALOTH_ET	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_HALOTH_INSP	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_ENFL_ET	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_ENFL_INSP	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_ISOFL_ET	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_ISOFL_INSP	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_SEVOFL_ET	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_SEVOFL_INSP	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_DESFL_ET	NOM_EVT_HI	** XXXXXX HIGH
NOM_CONC_AWAY_DESFL_INSP	NOM_EVT_HI	** XXXXXX HIGH
NOM_AWAY_RESP_RATE	NOM_EVT_APNEA	*** APNEA
NOM_CONC_AWAY_O2_INSP	NOM_EVT_O2_SUPPLY_LO	***inO2 LOW OXYGEN

Alert Source	Alert Code	Alert Text
NOM_VMD_GAS_ANALY	NOM_EVT_ADVIS_WATER_TRAP_CHK+	CHECK WATERTRAP
	1	
NOM_VMD_GAS_ANALY	NOM_EVT_STAT_OFF+1	XXX SWITCHED OFF
NOM_VMD_GAS_ANALY	NOM_EVT_COMP_MALF+1	XXX COMPONENT MALF
NOM_AWAY_AGENT	NOM_EVT_AGENT_MEAS_MALF	AGT MEAS MALFUNCT
NOM_AWAY_DESFL	NOM_EVT_AGENT_MEAS_MALF	AGT MEAS MALFUNCT
NOM_AWAY_ENFL	NOM_EVT_AGENT_MEAS_MALF	AGT MEAS MALFUNCT
NOM_AWAY_HALOTH	NOM_EVT_AGENT_MEAS_MALF	AGT MEAS MALFUNCT
NOM_AWAY_SEVOFL	NOM_EVT_AGENT_MEAS_MALF	AGT MEAS MALFUNCT
NOM_AWAY_ISOFL	NOM_EVT_AGENT_MEAS_MALF	AGT MEAS MALFUNCT
NOM_AWAY_AGENT	NOM_EVT_STAT_AGENT_CALC_RUNNI NG	AGENT CALCULATING
NOM_AWAY_DESFL	NOM_EVT_STAT_AGENT_CALC_RUNNI NG	AGENT CALCULATING
NOM_AWAY_ENFL	NOM_EVT_STAT_AGENT_CALC_RUNNI NG	AGENT CALCULATING
NOM_AWAY_HALOTH	NOM_EVT_STAT_AGENT_CALC_RUNNI NG	AGENT CALCULATING
NOM_AWAY_SEVOFL	NOM_EVT_STAT_AGENT_CALC_RUNNI NG	AGENT CALCULATING
NOM_AWAY_ISOFL	NOM_EVT_STAT_AGENT_CALC_RUNNI NG	AGENT CALCULATING
NOM_AWAY_AGENT	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_DESFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_ENFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_HALOTH	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_SEVOFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_ISOFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_AGENT	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_DESFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_ENFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_HALOTH	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_SEVOFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_AWAY_ISOFL	NOM_EVT_AGENT_MIX	AGENT MIXTURE
NOM_OBJ_LEA	NOM_EVT_STAT_OFF + 1	Align Watertrap
NOM_OBJ_LEA	NOM_EVT_CALIB_FAIL + 1	<gas analyzer=""> Zero Failed</gas>
NOM_CONC_AWAY_ <label></label>	NOM_EVT_RANGE_OVER	<gas label=""> Overrange</gas>

System

Alert Source	Alert Code	Alert Text
NOM_OBJ_NETWORK	NOM_EVT_STAT_DISCONN+1	Unsupported LAN
NOM_OBJ_NETWORK	NOM_EVT_MALF+1	No Central Monit.
NOM_OBJ_QUICKLINK	NOM_EVT_IRREG+1	Bad Server Link
NOM_OBJ_QUICKLINK	NOM_EVT_UNSUPPORTED+1	XXXXXX UNSUPPORTD
NOM_OBJ_SPEAKER	NOM_EVT_MALF+1	Speaker Malfunct.
NOM_OBJ_INPUT_DEV	NOM_EVT_MALF+1	User I/F Malfunct.
NOM_OBJ_HIF_KEY	NOM_EVT_MALF+1	Check Keyboard
NOM_OBJ_HIF_MOUSE	NOM_EVT_MALF+1	Check Mouse Device
NOM_OBJ_HIF_TOUCH	NOM_EVT_MALF+1	Check Touch Input
NOM_OBJ_HIF_SPEEDPOINT	NOM_EVT_MALF+1	Check SpeedPoint
NOM_OBJ_HIF_ALARMBOX	NOM_EVT_MALF+1	Rem.AlarmDev.Malf.
NOM_OBJ_QUICKLINK	NOM_EVT_ADVIS_PWR_HI+1	MSL Power High
NOM_OBJ_QUICKLINK	NOM_EVT_ADVIS_PWR_OFF+1	MSL Power Off
NOM_OBJ_QUICKLINK	NOM_EVT_ADVIS_PWR_OVER+1	MSL Power Overload
NOM_OBJ_BUS_I2C	NOM_EVT_MALF+1	Internal.Comm.Malf
NOM_MOC_VMS_MDS	NOM_EVT_VOLTAGE_OUT_OF_RANGE+1	CheckInternVoltage
NOM_OBJ_QUICKLINK	NOM_EVT_VOLTAGE_OUT_OF_RANGE+1	Check MSL Voltage
NOM_MOC_VMS_MDS	NOM_EVT_TEMP_HI_GT_LIM+1	Check Monitor Temp
NOM_OBJ_SETTING	NOM_EVT_MALF+1	Check Settings
NOM_OBJ_SETTING	NOM_EVT_MALF+1	Settings Malfunc.
NOM_OBJ_CPU_SEC	NOM_EVT_MALF+1	Check Main Board 2
NOM_OBJ_SETTING	NOM_EVT_MALF+1	Check Flex Texts
NOM_OBJ_LED	NOM_EVT_MALF+1	Check Alarm Lamps
NOM_OBJ_NETWORK	NOM_EVT_MALF+1	Check Network Conf
NOM_OBJ_SETTING	NOM_EVT_MALF+1	Check Screen Res.
NOM_OBJ_SETTING	NOM_EVT_MALF+1	Check Waves
NOM_OBJ_DISP_SEC	NOM_EVT_UNSUPPORTED+1	Indep.Dsp NotSupp.
NOM_OBJ_DISP_SEC	NOM_EVT_MALF+1	Indep.Dsp Malfunc.
NOM_OBJ_DISP_THIRD	NOM_EVT_FAIL+1	Chk IndepDsp Cable
NOM_OBJ_DISP_THIRD	NOM_EVT_REVERSED+1	MCC Reversed
NOM_OBJ_DISP_THIRD	NOM_EVT_CONFIG_ERR+1	Check MCC
NOM_OBJ_DISP_THIRD	NOM_EVT_UNSUPPORTED+1	Intell.Dsp Unsupp.
NOM_OBJ_DISP_THIRD	NOM_EVT_MALF+1	Intell.Dsp Malf.
NOM_OBJ_DISP_THIRD	NOM_EVT_DISCONN+1	Intell.Dsp Missing
NOM_OBJ_DISP_THIRD	NOM_EVT_UNAVAIL+1	MCC Unsupported
NOM_OBJ_SETTING	NOM_EVT_SYNCH_UNSUPPORTED+1	Tele Sync Unsupp.
NOM_OBJ_SETTING	NOM_EVT_SYNCH_ERR+1	Check TeleSettings
NOM_OBJ_NETWORK	NOM_EVT_ECG_ADVIS_SRC_CHK+1	"CHECK ECG SOURCE
NOM_OBJ_NETWORK	NOM_EVT_ECG_ADVIS_SRC_CHK+1	"CHECK ECG SOURCE
NOM_OBJ_NETWORK	NOM_EVT_DEV_ASSOC_CHK+1	!! CHECK PAIRING

Alert Source	Alert Code	Alert Text
NOM_OBJ_NETWORK	NOM_EVT_DEV_ASSOC_CHK+1	!!!CHECK PAIRING
NOM_OBJ_XMTR	NOM_EVT_UNPLUGGED+1	TELE DISCONNECTED
NOM_ECG_ELEC_POTL	NOM_EVT_TELE_EQUIP_MALF	ECG EQUIP MALF T
NOM_OBJ_XMTR	NOM_EVT_EQUIP_MALF+1	TELE EQUIP MALF
NOM_OBJ_XMTR	NOM_EVT_UNSUPPORTED+1	TELE UNSUPPORTED
NOM_OBJ_SETTING	NOM_EVT_SYNCH_ERR_ECG+1	Check ECG Settings
NOM_OBJ_SETTING	NOM_EVT_SYNCH_ERR_SPO2T+1	Chk SpO2T Settings
NOM_DEV_CALC_VMD	NOM_EVT_ADVIS_SETTINGS_CHK+1	Check DrugSettings
Used by a specific measurement.	NOM_EVT_AGENT_MEAS_MALF+1	XXXXXX MEAS FAILED
NOM_OBJ_MMS_EXT	NOM_EVT_UNPLUGGED+1	MMS Ext. UNPLUGGED
NOM_OBJ_MMS_EXT	NOM_EVT_ADVIS_PWR_OFF + 1	MMS Ext. Unpowered
NOM_OBJ_MMS_EXT	NOM_EVT_MALF + 1	MMS Ext. MALF
NOM_OBJ_MMS_EXT	NOM_EVT_UNSUPPORTED + 1	MMS Ext. Unsupported
NOM_OBJ_ECG_SYNC	NOM_EVT_ADVIS_CABLE_CHK + 1	MMS Ext. Unsupported
NOM_OBJ_ECG_SYNC	NOM_EVT_ADVIS_CABLE_CHK + 1	CHK ECG Sync Cable
NOM_OBJ_MMS	NOM_EVT_ADVIS_DEACT + 1	MSMT DEACTIVATED
NOM_OBJ_TELEMON	NOM_EVT_ALARM_MORE_TECH +1	MORE BED ALARMS
NOM_OBJ_XMTR	NOM_EVT_INCOMPAT + 1	TELE CONFIG UNSUPP
NOM_OBJ_QUICKLINK	NOM_EVT_SYNCH_ERR+1	Chk MSL Connection
NOM_OBJ_TELEMON	NOM_EVT_ALARM_MORE_TECH_YEL LOW +1	!!MORE BED ALARMS
NOM_OBJ_TELEMON	NOM_EVT_ALARM_MORE_TECH_RE D+1	!!!MORE BED ALARMS
NOM_OBJ_SPEAKER	NOM_EVT_ADVIS_SPEAKER_SETUP_C HK + 1	Chk Audio Settings

AlarmMgr

Alert Source	Alert Code	Alert Text
source id of the parameter	NOM_EVT_STAT_DISCONN	XXXXXX UNPLUGGED
source id of the parameter	NOM_EVT_ADVIS_DEACT	XXXXXX DEACTIVATED

NBP

Alert Source	Alert Code	Alert Text
NOM_PRESS_BLD_NONINV	NOM_EVT_CUFF_NOT_DEFLATED	CUFF NOT DEFLATED
NOM_PRESS_BLD_NONINV	NOM_EVT_CUFF_NOT_DEFLATED _YELLOW	!! CUFF NOT DEFLAT
NOM_PRESS_BLD_NONINV	NOM_EVT_CUFF_NOT_DEFLATED _RED	!!!CUFF NOT DEFLAT
NOM_PRESS_BLD_NONINV	NOM_EVT_CUFF_INFLAT_OVER	NBP CUFF OVERPRESS
NOM_PRESS_BLD_NONINV	NOM_EVT_CUFF_INFLAT_OVER_Y ELLOW	!! CUFF OVERPRESS
NOM_PRESS_BLD_NONINV	NOM_EVT_CUFF_INFLAT_OVER_R ED	!!!CUFF OVERPRESS
NOM_PRESS_BLD_NONINV	NOM_EVT_NBP_CUFF_DISCONN_ OR_LEAK	NBP Check Cuff
NOM_PRESS_BLD_NONINV	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
NOM_PRESS_BLD_NONINV	NOM_EVT_MSMT_INTERRUP	NBP INTERRUPTED
NOM_PRESS_BLD_NONINV	NOM_EVT_MSMT_FAIL	NBP MEASURE FAILED
NOM_PRESS_BLD_NONINV_MEAN	NOM_EVT_HI	** XXXXXX HIGH
NOM_PRESS_BLD_NONINV_MEAN	NOM_EVT_LO	** XXXXXX LOW
NOM_PRESS_BLD_NONINV_SYS	NOM_EVT_HI	** XXXXXX HIGH
NOM_PRESS_BLD_NONINV_SYS	NOM_EVT_LO	** XXXXXX LOW
NOM_PRESS_BLD_NONINV_DIA	NOM_EVT_HI	** XXXXXX HIGH
NOM_PRESS_BLD_NONINV_DIA	NOM_EVT_LO	** XXXXXX LOW

TcGas

Alert Source	Alert Code	Alert Text
NOM_O2_TCUT	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
NOM_CO2_TCUT	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
NOM_GAS_TCUT	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
NOM_O2_TCUT	NOM_EVT_SENSOR_DISCONN	XXXXXX NO TRANSDUC
NOM_CO2_TCUT	NOM_EVT_SENSOR_DISCONN	XXXXXX NO TRANSDUC
NOM_GAS_TCUT	NOM_EVT_SENSOR_DISCONN	XXXXXX NO TRANSDUC
NOM_O2_TCUT	NOM_EVT_STAT_CALIB_RUNNING	XXXXXX CAL RUNNING
NOM_CO2_TCUT	NOM_EVT_STAT_CALIB_RUNNING	XXXXXX CAL RUNNING
NOM_GAS_TCUT	NOM_EVT_STAT_CALIB_RUNNING	XXXXXX CAL RUNNING
NOM_O2_TCUT	NOM_EVT_CALIB_FAIL	XXXXXX CAL FAILED
NOM_CO2_TCUT	NOM_EVT_CALIB_FAIL	XXXXXX CAL FAILED
NOM_GAS_TCUT	NOM_EVT_CALIB_FAIL	XXXXXX CAL FAILED
NOM_O2_TCUT	NOM_EVT_ADVIS_CALIB_REQD	XXXXXX CAL REQUIRD
NOM_CO2_TCUT	NOM_EVT_ADVIS_CALIB_REQD	XXXXXX CAL REQUIRD
NOM_GAS_TCUT	NOM_EVT_ADVIS_CALIB_REQD	XXXXXX CAL REQUIRD
NOM_O2_TCUT	NOM_EVT_ADVIS_CHANGE_SITE	XXXXXX CHANGE SITE
NOM_CO2_TCUT	NOM_EVT_ADVIS_CHANGE_SITE	XXXXXX CHANGE SITE

Alert Source	Alert Code	Alert Text
NOM_GAS_TCUT	NOM_EVT_ADVIS_CHANGE_SITE	XXXXXX CHANGE SITE
NOM_O2_TCUT	NOM_EVT_STAT_SENSOR_WARMING	XXXXXX STABILIZING
NOM_CO2_TCUT	NOM_EVT_STAT_SENSOR_WARMING	XXXXXX STABILIZING
NOM_GAS_TCUT	NOM_EVT_STAT_SENSOR_WARMING	XXXXXX STABILIZING
NOM_O2_TCUT	NOM_EVT_ADVIS_CHECK_SITE_TIME	XXXXXX CHECK TIME
NOM_CO2_TCUT	NOM_EVT_ADVIS_CHECK_SITE_TIME	XXXXXX CHECK TIME
NOM_GAS_TCUT	NOM_EVT_ADVIS_CHECK_SITE_TIME	XXXXXX CHECK TIME
NOM_O2_TCUT	NOM_EVT_LO	** XXXXXX LOW
NOM_O2_TCUT	NOM_EVT_HI	** XXXXXX HIGH
NOM_CO2_TCUT	NOM_EVT_LO	** XXXXXX LOW
NOM_CO2_TCUT	NOM_EVT_HI	** XXXXXX HIGH

Vue**L**ink

Alert Source	Alert Code	Alert Text
NOM_DEV_SYS_MULTI_MODAL_MDS	NOM_EVT_EQUIP_MALF+1	XXXXXX EQUIP MALF
NOM_DEV_SYS_MULTI_MODAL_MDS	NOM_EVT_CONFIG_ERR+1	XXXXXX NO CONFIG
NOM_DEV_SYS_MULTI_MODAL_MDS	NOM_EVT_ADVIS_SETUP_CHK+1	XXXXXX CHECK SETUP
NOM_DEV_SYS_MULTI_MODAL_MDS	NOM_EVT_ADVIS_CONFIG_CHK+1	XXXXXX CHK CONF.
NOM_DEV_SYS_MULTI_MODAL_MDS	NOM_EVT_ADVIS_CABLE_CHK+1	XXXXXX CHK CABLE
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_1+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_2+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_3+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_4+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_5+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_6+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_7+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_8+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_9+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_10+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_11+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_12+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_13+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_14+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_15+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_16+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_17+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_18+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_19+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_20+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_21+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_22+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_23+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_24+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_25+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_26+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_27+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_28+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_29+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_30+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_31+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_32+1	
depends on configuration	NOM_EVT_EXT_DEV_AL_CODE_33+1	

Battery

Alert Source	Alert Code	Alert Text
NOM_MOC_BATT	NOM_EVT_BATT_PROB+1	BATTERIES MALFUNC.
NOM_MOC_BATT	NOM_EVT_BATT_PROB+1	XXXXXX MALFUNCTION.
NOM_OBJ_BATT_1	NOM_EVT_BATT_PROB+1	XXXXXX MALFUNCTION
NOM_OBJ_BATT_2	NOM_EVT_BATT_PROB+1	XXXXXX MALFUNCTION
NOM_MOC_BATT	NOM_EVT_EMPTY+1	BATTERIES EMPTY
NOM_MOC_BATT	NOM_EVT_EMPTY+1	XXXXXX EMPTY
NOM_OBJ_BATT_1	NOM_EVT_EMPTY+1	XXXXXX EMPTY
NOM_OBJ_BATT_2	NOM_EVT_EMPTY+1	XXXXXX EMPTY
NOM_OBJ_BATT_1	NOM_EVT_ABSENT+1	XXXXXX MISSING
NOM_OBJ_BATT_2	NOM_EVT_ABSENT+1	XXXXXX MISSING
NOM_MOC_BATT	NOM_EVT_BATT_LO+1	BATTERIES LOW
NOM_OBJ_BATT_1	NOM_EVT_EMPTY+1	XXXXXX LOW
NOM_OBJ_BATT_2	NOM_EVT_EMPTY+1	XXXXXX LOW
NOM_OBJ_BATT_CHARGER	NOM_EVT_MALF+1	CHARGER MALFUNC.
NOM_MOC_BATT	NOM_EVT_INCOMPAT+1	BATTERIES INCOMPAT
NOM_OBJ_BATT	NOM_EVT_INCOMPAT+1	XXXXXX INCOMPAT.
NOM_OBJ_BATT_1	NOM_EVT_INCOMPAT+1	XXXXXX INCOMPAT.
NOM_OBJ_BATT_2	NOM_EVT_INCOMPAT+1	XXXXXX INCOMPAT.
NOM_MOC_BATT	NOM_EVT_TEMP_HI_GT_LIM+1	CHECK BATT TEMP
NOM_MOC_BATT	NOM_EVT_STAT_BATT_CHARGING +1	Charge XXXXXX now
NOM_MOC_BATT_1	NOM_EVT_STAT_BATT_CHARGING +1	Charge XXXXXX now
NOM_MOC_BATT_2	NOM_EVT_STAT_BATT_CHARGING +1	Charge XXXXXX now
NOM_OBJ_BATT	NOM_EVT_ABSENT+1	!!INSERT BATTERY

Telemetry

Alert Source	Alert Code	Alert Text
NOM_ECG_ELEC_POTL	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
NOM_ECG_ELEC_POTL	NOM_EVT_LEADS_OFF	XXXXXX LEADS OFF
NOM_ECG_LEAD_C	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_RA	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_LA	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_LL	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_RL	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_C1FR	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_C2FR	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_C3FR	NOM_EVT_LEAD_OFF	XXX LEAD OFF

Alert Source	Alert Code	Alert Text
NOM_ECG_LEAD_C4FR	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_C5FR	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_C6FR	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_AS	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_AI	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_LEAD_ES	NOM_EVT_LEAD_OFF	XXX LEAD OFF
NOM_ECG_ELEC_POTL	NOM_EVT_ADVIS_LEAD_CHK	INVALID LEADSET
NOM_PULS_OXIM_SAT_O2_TELE	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
NOM_PULS_OXIM_SAT_O2_TELE	NOM_EVT_SENSOR_MALF	XXXXXX SENSOR MALF
NOM_PULS_OXIM_SAT_O2_TELE	NOM_EVT_SENSOR_MALF	XXXXXX SENSOR MALF
NOM_PULS_OXIM_SAT_O2_TELE	NOM_EVT_MSMT_INTERF_E RR	XXXXXX INTERFERNCE
NOM_PULS_OXIM_SAT_O2_TELE	NOM_EVT_SIG_NOISY	XXXXXX NOISY SIGN.
NOM_PULS_OXIM_SAT_O2_TELE	NOM_EVT_NON_PULSATILE	XXXXXX NON-PULSAT.
NOM_PULS_OXIM_SAT_O2_TELE	NOM_EVT_ERRATIC	XXXXXX ERRATIC
NOM_PULS_OXIM_SAT_O2_TELE	NOM_EVT_SIG_LO	XXXXXX LOW PERF
NOM_PULS_OXIM_SAT_O2_TELE	NOM_EVT_SUST	XXXXXX EXTD.UPDATE
NOM_PRESS_BLD_NONINV_TELE	NOM_EVT_CUFF_NOT_DEFL ATED	CUFF NOT DEFLATED
NOM_PRESS_BLD_NONINV_TELE	NOM_EVT_CUFF_INFLAT_OV ER	NBP CUFF OVERPRESS
NOM_PRESS_BLD_NONINV_TELE	NOM_EVT_MSMT_INTERRUP	NBP INTERRUPTED
NOM_PRESS_BLD_NONINV_TELE	NOM_EVT_MSMT_FAIL	NBP MEASURE FAILED
NOM_PRESS_BLD_NONINV_TELE	NOM_EVT_EQUIP_MALF	XXXXXX EQUIP MALF
NOM_OBJ_TELEMON	NOM_EVT_ADVIS_BATT_CO ND+1	CHARGE MON BATT
NOM_MOC_BATT	NOM_EVT_BATT_LO+1	BATTERY LOW
NOM_OBJ_XMTR	NOM_EVT_EQUIP_MALF+1	TRANSMITTER MALF
NOM_OBJ_XMTR	NOM_EVT_MSMT_INTERRUP +1	TRANSMITTER OFF
NOM_OBJ_XMTR	NOM_EVT_STAT_STANDBY+1	TELEMETRY STANDBY
NOM_OBJ_XMTR	NOM_EVT_ABSENT+1	NO SIGNAL
NOM_OBJ_XMTR	NOM_EVT_ADVIS_NURSE_CA LL+1	* NURSE CALL
NOM_OBJ_XMTR	NOM_EVT_WEAK+1	XXXXXX WEAK SIGNAL
NOM_OBJ_XMTR	NOM_EVT_MSMT_INTERF_E RR+1	XXXXXX INTERFERNCE
NOM_OBJ_TELEMETRY_XMTR	NOM_EVT_ALARM_MED_YEL LOW_SHORT+1	* TELE ALARM
NOM_OBJ_TELEMETRY_XMTR	NOM_EVT_ALARM_MED_YEL LOW+1	** TELE ALARM

Alert Source	Alert Code	Alert Text
NOM_OBJ_TELEMETRY_XMTR	NOM_EVT_ALARM_MED_RE D+1	*** TELE ALARM
NOM_OBJ_TELEMETRY_XMTR	NOM_EVT_ALARM_TECH+1	TELE INOP
NOM_OBJ_TELEMETRY_XMTR	NOM_EVT_ALARM_TECH_YE LLOW+1	!! TELE INOP
NOM_OBJ_TELEMETRY_XMTR	NOM_EVT_ALARM_TECH_RE D+1	!!! TELE INOP
NOM_OBJ_TELEMETRY_XMTR	NOM_EVT_OUT_OF_AREA+1	OUT OF AREA
NOM_ECG_ELEC_POTL	NOM_EVT_LEADS_DISCONN	LEADSET UNPLUGGED
NOM_ECG_ELEC_POTL	NOM_EVT_SRC_ABSENT	NO ECG SOURCE
NOM_OBJ_BATT_TELE	NOM_EVT_BATT_LO+1	BATTERY LOW T
NOM_OBJ_BATT_TELE	NOM_EVT_ADVIS_BATT_REP LACE+1	REPLACE BATTERY T
NOM_ECG_ELEC_POTL	NOM_EVT_LEAD_DISCONN_ YELLOW	!! ECG LEADS OFF
NOM_ECG_ELEC_POTL	NOM_EVT_LEAD_DISCONN_ RED	!!!ECG LEADS OFF

Spirometry

Alert Source	Alert Code	Alert Text
Spiro	NOM_EVT_MSMT_RANGE_OVE R+1	XXXXXX OVERRANGE
Spiro	NOM_EVT_MSMT_UNSUPPORT ED+1	XXXXXX UNSUPPORTED
Spiro	NOM_EVT_MALF+1	SPIRO MALFUNCTION
Spiro	NOM_EVT_STAT_FW_UPDATE_I N_PROGRESS+1	SPIRO UPGRADE
Spiro	NOM_EVT_INCOMPAT+1	SPIRO INCOMPATIBLE
Spiro	NOM_EVT_MSMT_INOP+1	XXXXXX CANNOT MEAS
Spiro	NOM_EVT_SENSOR_DISCONN+	SPIRO NO SENSOR
Spiro	NOM_EVT_SENSOR_PROB+1	SPIRO PATIENT CAT.
Spiro	NOM_EVT_STAT_CALIB_RUNNI NG+1	SPIRO PURGING
Spiro	NOM_EVT_CALIB_FAIL+1	SPIRO PURGE FAILED
Spiro	NOM_EVT_ADVIS_GAS_AGENT _CHK+1	SPIRO GAS COMPENS?
Spiro	NOM_EVT_ADVIS_SENSOR_CH K+1	SPIRO PATIENT CAT.
Spiro	NOM_EVT_STAT_AL_OFF+1	SPIRO ALARMS SUPPR
Spiro	NOM_EVT_BREATH_ABSENT+1	SPIRO NO BREATH

Alert Source	Alert Code	Alert Text
NOM_AWAY_RESP_RATE_SPIR O	NOM_EVT_MSMT_INOP	XXXXXX CANNOT MEAS
NOM_COMPL_LUNG	NOM_EVT_MSMT_INOP	XXXXXX CANNOT MEAS
NOM_RES_AWAY	NOM_EVT_MSMT_INOP	XXXXXX CANNOT MEAS
NOM_VENT_PRESS_AWAY_END _EXP_POS	NOM_EVT_MSMT_INOP	XXXXXX CANNOT MEAS
NOM_PRESS_AWAY_INSP	NOM_EVT_MSMT_INOP	XXXXXX CANNOT MEAS
NOM_VOL_AWAY_INSP_TIDAL	NOM_EVT_MSMT_INOP	XXXXXX CANNOT MEAS
NOM_VOL_AWAY_EXP_TIDAL	NOM_EVT_MSMT_INOP	XXXXXX CANNOT MEAS
NOM_VOL_MINUTE_AWAY_INS P	NOM_EVT_MSMT_INOP	XXXXXX CANNOT MEAS
NOM_VOL_MINUTE_AWAY_EXP	NOM_EVT_MSMT_INOP	XXXXXX CANNOT MEAS

Predictive Temp

Alert Source	Alert Code	Alert Text
current label e.g. NOM_TEMP_ORAL_PRED	NOM_EVT_MSMT_FAIL	XXXXXX MEAS FAILED
current label e.g. NOM_TEMP_ORAL_PRED	NOM_EVT_MALF	XXXXXX EQUIP MALF
current label e.g. NOM_TEMP_ORAL_PRED	NOM_EVT_INCOMPAT	XXXXXX INCOMPAT.
current label e.g. NOM_TEMP_ORAL_PRED	NOM_EVT_SENSOR_PROB	XXXXXX CHECK PROBE
current label e.g. NOM_TEMP_ORAL_PRED	NOM_EVT_XDUCR_MALF	XXXXXX PROBE MALF
current label e.g. NOM_TEMP_ORAL_PRED	NOM_EVT_XDUCR_DISCONN	XXXXXX NO PROBE
current label e.g. NOM_TEMP_ORAL_PRED	NOM_EVT_MSMT_RANGE_OVE R	XXXXXX OVERRANGE
current label e.g. NOM_TEMP_ORAL_PRED	NOM_EVT_UNPLUGGED+1	XXXXXX DEACTIVATED

Protocol Watch

Alert Source	Alert Code	Alert Text
NOM_DEV_PROT_WATCH_CHAN	NOM_EVT_ADVIS_SETTINGS_CH K+1	PW: Check Settings
NOM_DEV_PROT_WATCH_CHA	NOM_EVT_ADVIS_ACTION_REQ D+1	PW:Action Required

Alert Source	Alert Code	Alert Text
NOM_DEV_PROT_WATCH_CHAN	NOM_EVT_ADVIS_ACTION_REQ D_YELLOW+1	!!PW:Action Requ'd
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_TECH+1	
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_TECH+1	
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_TECH_YELLO W+1	
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_TECH_YELLO W+1	
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_TECH_RED+1	
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_TECH_RED+1	
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_TECH+1	
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_TECH+1	
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_TECH_YELLO W+1	
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_TECH_YELLO W+1	
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_TECH_RED+1	
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_TECH_RED+1	
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_TECH+1	
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_TECH+1	
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_TECH_YELLO W+1	
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_TECH_YELLO W+1	
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_TECH_RED+1	
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_TECH_RED+1	
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_MED_YELLO W_SHORT+1	
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_MED_YELLO W+1	
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_MED_RED+1	
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_MED_YELLO W_SHORT+1	
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_MED_YELLO W+1	
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_MED_RED+1	
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_MED_YELLO W_SHORT+1	
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_MED_YELLO W+1	
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_MED_RED+1	
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_TECH+1	PW ALARM

Alert Source	Alert Code	Alert Text
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_TECH_YELLO W+1	PW ALARM
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_TECH_RED+1	PW ALARM
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_TECH+1	PW ALARM
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_TECH_YELLO W+1	PW ALARM
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_TECH_RED+1	PW ALARM
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_TECH+1	PW ALARM
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_TECH_YELLO W+1	PW ALARM
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_TECH_RED+1	PW ALARM
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_MED_YELLO W+1	** PW ALARM
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_MED_YELLO W_SHORT+1	** PW ALARM
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_MED_YELLO W+1	** PW ALARM
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_MED_YELLO W_SHORT+1	** PW ALARM
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_MED_YELLO W+1	** PW ALARM
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_MED_YELLO W_SHORT+1	** PW ALARM
NOM_OBJ_PROT_WATCH_1	NOM_EVT_ALARM_MED_RED+1	*** PW ALARM
NOM_OBJ_PROT_WATCH_2	NOM_EVT_ALARM_MED_RED+1	*** PW ALARM
NOM_OBJ_PROT_WATCH_3	NOM_EVT_ALARM_MED_RED+1	*** PW ALARM
NOM_DEV_PROT_WATCH_CHA	NOM_DEV_PROT_WATCH_CHAN	PW: In Conflict

Intellibridge

Alert Source	Alert Code	Alert Text
	NOM_EVT_ADVIS_SETUP_CHK+	DEVICE CHECK SETUP
	1	
	NOM_EVT_ADVIS_CONFIG_CH	DEVICE CHECK CONF.
	K+1	
	NOM_EVT_EQUIP_MALF+1	XXXXXX EQUIP MALF
	NOM_EVT_CONFIG_ERR+1	NO DEVICE DATA
	NOM_EVT_CONFIG_ERR+1	!!NO DEVICE DATA
	NOM_EVT_CONFIG_ERR+1	!!!NO DEVICE DATA
	NOM_EVT_UNPLUGGED+1	XXXXXX UNPLUGGED
	NOM_EVT_UNSUPPORTED+1	DEVICE UNSUPPORTED

Short Range Radio

Alert Source	Alert Code	Alert Text
NOM_OBJ_SRR_IF_1	NOM_EVT_SRR_INTERF+1	SRR INTERFERENCE
NOM_OBJ_SRR_IF_1	NOM_EVT_SRR_INVALID_CHAN +1	SRR INVALID CHAN
NOM_OBJ_SRR_IF_1	NOM_EVT_MALF+1	SRR MALFUNCTION

Fetal Recorder

Alert Source	Alert Code	Alert Text
NOM_DEV_RECORDER_VMD	NOM_EVT_ADVIS_REC_PAPER_ REPLACE+1	Paper End
NOM_DEV_RECORDER_VMD	NOM_EVT_ADVIS_REC_PAPER_S IZE+1	Wrong Paper Scale
NOM_DEV_RECORDER_VMD	NOM_EVT_PAPER_PROB+1	Check Paper
NOM_DEV_RECORDER_VMD	NOM_EVT_DOOR_OR_HANDLE _POSN_PROB+1	Recorder Open
NOM_DEV_RECORDER_VMD	NOM_EVT_REC_HEAD_TEMP_ HI+1	Printhead Overheat

ObMeasurement

Alert Source	Alert Code	Alert Text
NOM_DEV_MON_FETAL_MULT I_PARAM_MDS	NOM_EVT_MALF+1	Bus Master Malfunc
NOM_DEV_MON_FETAL_MULT I_PARAM_MDS	NOM_EVT_INCOMPAT+1	Bus Master Malfunc

Ultrasound

Alert Source	Alert Code	Alert Text
NOM_DEV_ANALY_USOUND_V MD	NOM_EVT_MALF+1	FHR1 Equip Malf
NOM_DEV_ANALY_USOUND_V MD	NOM_EVT_MALF+1	FHR2 Equip Malf
NOM_DEV_ANALY_USOUND_V MD	NOM_EVT_MALF+1	FHR3 Equip Malf
NOM_DEV_ANALY_USOUND_V MD	NOM_EVT_ADVIS_SIG_LOST+1	FHR1 Signal Loss
NOM_DEV_ANALY_USOUND_V MD	NOM_EVT_ADVIS_SIG_LOST+1	FHR2 Signal Loss

Alert Source	Alert Code	Alert Text
NOM_DEV_ANALY_USOUND_V MD	NOM_EVT_ADVIS_SIG_LOST+1	FHR3 Signal Loss
NOM_DEV_ANALY_USOUND_V MD	NOM_EVT_ADVIS_SIG_LOST+1	FHR1 Signal Loss
NOM_DEV_ANALY_USOUND_V MD	NOM_EVT_ADVIS_SIG_LOST+1	FHR2 Signal Loss
NOM_DEV_ANALY_USOUND_V MD	NOM_EVT_ADVIS_SIG_LOST+1	FHR3 Signal Loss
NOM_USOUND_CARD_BEAT_R ATE_FETAL	NOM_EVT_HI	\0157\0157 FHR1 High
NOM_USOUND_CARD_BEAT_R ATE_FETAL	NOM_EVT_HI	\0157\0157 FHR2 High
NOM_USOUND_CARD_BEAT_R ATE_FETAL	NOM_EVT_HI	\0157\0157 FHR3 High
NOM_USOUND_CARD_BEAT_R ATE_FETAL	NOM_EVT_LO	\0157\0157 FHR1 Low
NOM_USOUND_CARD_BEAT_R ATE_FETAL	NOM_EVT_LO	\0157\0157 FHR2 Low
NOM_USOUND_CARD_BEAT_R ATE_FETAL	NOM_EVT_LO	\0157\0157 FHR3 Low

DECG

Alert Source	Alert Code	Alert Text
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_LEAD_DISCONN+1	FHR1 Equip Malf
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_LEAD_DISCONN+1	FHR2 Equip Malf
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_LEAD_DISCONN+1	FHR3 Equip Malf
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_MALF+1	FHR1 Signal Loss
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_MALF+1	FHR2 Signal Loss
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_MALF+1	FHR3 Signal Loss
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_ADVIS_SIG_LOST+1	FHR1 Signal Loss
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_ADVIS_SIG_LOST+1	FHR2 Signal Loss
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_ADVIS_SIG_LOST+1	FHR3 Signal Loss
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_ADVIS_SIG_LOST+1	\0157\0157 FHR1 High
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_ADVIS_SIG_LOST+1	\0157\0157 FHR2 High
NOM_DEV_ECG_FETAL_VMD	NOM_EVT_ADVIS_SIG_LOST+1	\0157\0157 FHR3 High
NOM_ECG_CARD_BEAT_RATE _FETAL	NOM_EVT_HI	\0157\0157 DFHR1 High
NOM_ECG_CARD_BEAT_RATE _FETAL	NOM_EVT_HI	\0157\0157 DFHR2 High
NOM_ECG_CARD_BEAT_RATE _FETAL	NOM_EVT_HI	\0157\0157 DFHR3 High
NOM_ECG_CARD_BEAT_RATE _FETAL	NOM_EVT_LO	\0157\0157 DFHR1 Low

Alert Source	Alert Code	Alert Text
NOM_ECG_CARD_BEAT_RATE _FETAL	NOM_EVT_LO	\0157\0157 DFHR2 Low
NOM_ECG_CARD_BEAT_RATE _FETAL	NOM_EVT_LO	\0157\0157 DFHR3 Low

Toco

Alert Source	Alert Code	Alert Text
NOM_DEV_ANALY_TOCO_VMD	NOM_EVT_MALF+1	@6p Equip Malf
NOM_DEV_PLETH_VMD	NOM_EVT_MALF+1	Pulse(Toco) Malf

IUP

Alert Source	Alert Code	Alert Text
NOM_DEV_METER_PRESS_VMD	NOM_EVT_MALF+1	@6p Equip Malf

MECG

Alert Source	Alert Code	Alert Text
NOM_DEV_ECG_MATERNAL_VMD	NOM_EVT_MALF+1	@6p Equip Malf
NOM_DEV_ECG_MATERNAL_VMD	NOM_EVT_LEAD_DISCONN+1	@6p Leads Off
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_HI	\0157\0157 @6p High
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_LO	\0157\0157 @6p Low
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_BRADY_EXTRE ME	\0157\0157\0157 Extreme Brady
NOM_ECG_CARD_BEAT_RATE	NOM_EVT_ECG_TACHY_EXTRE ME	\0157\0157\0157 Extreme Tachy

TraceInterpretation

Alert Source	Alert Code	Alert Text
NOM_DEV_ANALY_OB_TI_VMD	NOM_EVT_ADVIS_SETTINGS_C HK+1	Check TI Config

OB Statistics

Alert Source	Alert Code	Alert Text
NOM_DEV_STATISTICS_VMD	NOM_EVT_ADVIS_CHK+1	Coincidence

Avalon CL

Alert Source	Alert Code	Alert Text
NOM_OBJ_BATT_SENSOR	NOM_EVT_MALF+1	cl US Malfunction
NOM_OBJ_BATT_SENSOR	NOM_EVT_MALF+1	cl Toco Malf
NOM_OBJ_BATT_SENSOR	NOM_EVT_MALF+1	cl ECG/IUP Malf
NOM_OBJ_BATT_SENSOR	NOM_EVT_UNPLUGGED+1	cl US Disconnect
NOM_OBJ_BATT_SENSOR	NOM_EVT_UNPLUGGED+1	cl Toco Disconnect
NOM_OBJ_BATT_SENSOR	NOM_EVT_UNPLUGGED+1	cl ECG/IUP Disconn
NOM_OBJ_BATT_SENSOR	NOM_EVT_BATT_LO+1	cl US Batt Low
NOM_OBJ_BATT_SENSOR	NOM_EVT_BATT_LO+1	cl Toco Batt Low
NOM_OBJ_BATT_SENSOR	NOM_EVT_BATT_LO+1	cl ECG/IUP BattLow
NOM_OBJ_BATT_SENSOR	NOM_EVT_EMPTY+1	cl US Batt Empty
NOM_OBJ_BATT_SENSOR	NOM_EVT_EMPTY+1	!!cl US Batt Empty
NOM_OBJ_BATT_SENSOR	NOM_EVT_EMPTY+1	!!!cl US BattEmpty
NOM_OBJ_BATT_SENSOR	NOM_EVT_EMPTY+1	cl Toco Batt Empty
NOM_OBJ_BATT_SENSOR	NOM_EVT_EMPTY+1	!!clToco BattEmpty
NOM_OBJ_BATT_SENSOR	NOM_EVT_EMPTY+1	!!!clTocoBattEmpty
NOM_OBJ_BATT_SENSOR	NOM_EVT_EMPTY+1	cl ECG/IUP Empty
NOM_OBJ_BATT_SENSOR	NOM_EVT_EMPTY+1	!!cl ECG/IUP Empty
NOM_OBJ_BATT_SENSOR	NOM_EVT_EMPTY+1	!!!clECG/IUP Empty
NOM_OBJ_BATT_SENSOR	NOM_EVT_BATT_MALF+1	cl US Batt Malf
NOM_OBJ_BATT_SENSOR	NOM_EVT_BATT_MALF+1	cl Toco Batt Malf
NOM_OBJ_BATT_SENSOR	NOM_EVT_BATT_MALF+1	clECG/IUP BattMalf
NOM_OBJ_BATT_SENSOR	NOM_EVT_TEMP_HI_GT_LIM+1	cl US Check Temp
NOM_OBJ_BATT_SENSOR	NOM_EVT_TEMP_HI_GT_LIM+1	cl Toco Chk Temp
NOM_OBJ_BATT_SENSOR	NOM_EVT_TEMP_HI_GT_LIM+1	clECG/IUP Chk Temp
NOM_OBJ_OBR_IF_1	NOM_EVT_ADVIS_CONFIG_CH K+1	Check OBR Config
NOM_OBJ_OBR_IF_1	NOM_EVT_MALF+1	Tele Malfunction
NOM_DEV_ECG_MATERNAL_V MD	NOM_EVT_LEAD_DISCONN+1	!! MECG Leads Off
NOM_DEV_ECG_MATERNAL_V MD	NOM_EVT_LEAD_DISCONN+1	!!! MECG Leads Off

The following code from the SCADA partition are used for the alert source:

g code from the SCADA partition are used for the alert	source
NOM_ECG_LEAD_I	1
NOM_ECG_LEAD_II	2
NOM_ECG_LEAD_LA	21
NOM_ECG_LEAD_RA	22
NOM_ECG_LEAD_LL	23
NOM_ECG_LEAD_fI	24
NOM_ECG_LEAD_fE	25
NOM_ECG_LEAD_fA	27
NOM_ECG_LEAD_C	66
NOM_ECG_LEAD_C1FR	82
NOM_ECG_LEAD_C2FR	83
NOM_ECG_LEAD_C3FR	84
NOM_ECG_LEAD_C4FR	85
NOM_ECG_LEAD_C5FR	87
NOM_ECG_LEAD_C6FR	88
NOM_ECG_LEAD_C7FR	89
NOM_ECG_LEAD_C8FR	90
NOM_ECG_LEAD_ES	100
NOM_ECG_LEAD_AS	101
NOM_ECG_LEAD_AI	102
NOM_ECG_LEAD_RL	115
NOM_ECG_LEAD_EASI_S	116
NOM_ECG_ELEC_POTL	256
NOM_ECG_ELEC_POTL_I	257
NOM_ECG_ELEC_POTL_II	258
NOM_ECG_ELEC_POTL_V1	259
NOM_ECG_ELEC_POTL_V2	260
NOM_ECG_ELEC_POTL_V3	261
NOM_ECG_ELEC_POTL_V4	262
NOM_ECG_ELEC_POTL_V5	263
NOM_ECG_ELEC_POTL_V6	264
NOM_ECG_ELEC_POTL_III	317
NOM_ECG_ELEC_POTL_AVR	318
NOM_ECG_ELEC_POTL_AVL	319
NOM_ECG_ELEC_POTL_AVF	320
NOM_ECG_ELEC_POTL_V	323
NOM_ECG_ELEC_POTL_MCL	331
NOM_ECG_ELEC_POTL_MCL1	332
NOM_ECG_AMPL_ST	768
NOM_ECG_AMPL_ST_I	769
NOM_ECG_AMPL_ST_II	770
NOM_ECG_AMPL_ST_V1	771
NOM_ECG_AMPL_ST_V2	772
NOM_ECG_AMPL_ST_V3	773
NOM_ECG_AMPL_ST_V4	774
NOM_ECG_AMPL_ST_V5	775
NOM_ECG_AMPL_ST_V6	776
NOM_ECG_AMPL_ST_III	829
NOM_ECG_AMPL_ST_AVR	830
NOM_ECG_AMPL_ST_AVL	831
NOM_ECG_AMPL_ST_AVF	832
NOM_ECG_AMPL_ST_V	835
NOM_ECG_AMPL_ST_MCL	843
NOM_ECG_AMPL_ST_ES	868
NOM_ECG_AMPL_ST_AS	869

NOW FOR AMPLICT AL	070
NOM_ECG_AMPL_ST_AI	870
NOM_ECG_TIME_PD_QT_GL NOM_ECG_TIME_PD_QTc	16160
NOM_ECG_TIME_PD_QTC NOM_ECG_CARD_BEAT_RATE	16164
NOM_ECG_CARD_BEAT_RATE NOM_ECG_CARD_BEAT_RATE_BTB	16770 16778
NOM_ECG_CARD_BEAT_RATE_BTB NOM_ECG_V_P_C_CNT	16993
NOM_ECG_V_P_C_RATE	16994
NOM_ECG_V_P_C_FREQ	17000
NOM_PULS	18432
NOM_PULS_RATE	18442
NOM_PLETH_PULS_RATE	18466
NOM_RES_VASC_SYS_INDEX	18688
NOM_WK_LV_STROKE_INDEX	18692
NOM_WK_RV_STROKE_INDEX	18696
NOM_OUTPUT_CARD_INDEX	18700
NOM_PRESS_BLD	18944
NOM_PRESS_BLD_SYS	18945
NOM_PRESS_BLD_DIA	18946
NOM_PRESS_BLD_MEAN	18947
NOM PRESS BLD NONINV	18948
NOM PRESS BLD NONINV SYS	18949
NOM_PRESS_BLD_NONINV_DIA	18950
NOM_PRESS_BLD_NONINV_MEAN	18951
NOM_PRESS_BLD_AORT	18956
NOM_PRESS_BLD_AORT_SYS	18957
NOM_PRESS_BLD_AORT_DIA	18958
NOM_PRESS_BLD_AORT_MEAN	18959
NOM_PRESS_BLD_ART	18960
NOM_PRESS_BLD_ART_SYS	18961
NOM_PRESS_BLD_ART_DIA	18962
NOM_PRESS_BLD_ART_MEAN	18963
NOM_PRESS_BLD_ART_ABP	18964
NOM_PRESS_BLD_ART_ABP_SYS	18965
NOM_PRESS_BLD_ART_ABP_DIA	18966
NOM_PRESS_BLD_ART_ABP_MEAN	18967
NOM_PRESS_BLD_ART_PULM	18972
NOM_PRESS_BLD_ART_PULM_SYS	18973
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NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD	26636 26660
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NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART	26636 26660 26672 26876 28676
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART	26636 26660 26672 26876 28676 28680 28684
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART	26636 26660 26672 26876 28676 28680
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_ART	26636 26660 26672 26876 28676 28680 28684 28692 28696
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN	26636 26660 26672 26876 28676 28680 28684 28692 28696 28732
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN	26636 26660 26672 26876 28676 28680 28684 28692 28696 28732 28724
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PC02_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PC02_VEN	26636 26660 26672 26876 28676 28680 28684 28692 28696 28732 28724 28728
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PCO2_VEN NOM_CONC_HB_O2_VEN	26636 26660 26672 26876 28676 28680 28684 28692 28696 28732 28724 28728 28744
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PCO2_VEN NOM_CONC_PB_O2_VEN NOM_CONC_PHB_O2_VEN NOM_CONC_PHB_O2_VEN NOM_CONC_PHB_O2_VEN NOM_CONC_PH_URINE	26636 26660 26672 26876 28676 28680 28684 28692 28732 28724 28728 28744 28772
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PH_VEN NOM_CONC_PCO2_VEN NOM_CONC_PCO2_VEN NOM_CONC_PH_URINE NOM_CONC_PH_URINE NOM_CONC_NA_URINE	26636 26660 26672 26876 28676 28680 28684 28692 28732 28724 28728 28744 28772 28780
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PCO2_VEN NOM_CONC_PCO2_VEN NOM_CONC_HB_O2_VEN NOM_CONC_HB_O2_VEN NOM_CONC_PH_URINE NOM_CONC_NA_URINE NOM_CONC_NA_SERUM	26636 26660 26672 26876 28676 28680 28684 28692 28732 28724 28728 28744 28772 28780 28888
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PCO2_VEN NOM_CONC_PCO2_VEN NOM_CONC_HB_O2_VEN NOM_CONC_HB_O2_VEN NOM_CONC_PH_URINE NOM_CONC_PH_URINE NOM_CONC_NA_URINE NOM_CONC_PH_GEN	26636 26660 26672 26876 28676 28680 28692 28696 28732 28724 28728 28744 28772 28780 28888 28932
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PH_VEN NOM_CONC_PH_URINE NOM_CONC_PH_URINE NOM_CONC_NA_URINE NOM_CONC_PH_GEN NOM_CONC_PH_GEN NOM_CONC_HCO3_GEN	26636 26660 26672 26876 28676 28680 28692 28696 28732 28724 28728 28744 28772 28780 28888 28932 28936
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PH_VEN NOM_CONC_PH_URINE NOM_CONC_PH_URINE NOM_CONC_NA_URINE NOM_CONC_PH_GEN NOM_CONC_PH_GEN NOM_CONC_NA_GEN	26636 26660 26672 26876 28676 28680 28684 28692 28732 28724 28728 28744 28772 28780 28888 28932 28936 28940
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PH_VEN NOM_CONC_PCO2_VEN NOM_CONC_PH_URINE NOM_CONC_PH_URINE NOM_CONC_NA_URINE NOM_CONC_PH_GEN NOM_CONC_HCO3_GEN NOM_CONC_NA_GEN NOM_CONC_K_GEN	26636 26660 26672 26876 28676 28680 28684 28692 28732 28724 28728 28744 28772 28780 28888 28932 28936 28940 28944
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PH_VEN NOM_CONC_PH_VEN NOM_CONC_PCO2_VEN NOM_CONC_PH_URINE NOM_CONC_PH_URINE NOM_CONC_NA_URINE NOM_CONC_NA_SERUM NOM_CONC_PH_GEN NOM_CONC_NA_GEN NOM_CONC_NA_GEN NOM_CONC_K_GEN NOM_CONC_GLU_GEN	26636 26660 26672 26876 28680 28684 28692 28724 28728 28724 28772 28780 28888 28932 28936 28940 28944 28948
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PH_VEN NOM_CONC_PH_VEN NOM_CONC_PCO2_VEN NOM_CONC_PH_URINE NOM_CONC_PH_URINE NOM_CONC_NA_URINE NOM_CONC_NA_SERUM NOM_CONC_PH_GEN NOM_CONC_NA_GEN NOM_CONC_NA_GEN NOM_CONC_CA_GEN NOM_CONC_CA_GEN NOM_CONC_CA_GEN	26636 26660 26672 26876 28680 28684 28692 28724 28728 28724 28772 28780 28888 28932 28936 28940 28944 28948 28952
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PO2_VEN NOM_CONC_PCO2_VEN NOM_CONC_PH_VEN NOM_CONC_PH_URINE NOM_CONC_PH_URINE NOM_CONC_PH_URINE NOM_CONC_NA_URINE NOM_CONC_NA_SERUM NOM_CONC_PH_GEN NOM_CONC_PH_GEN NOM_CONC_NA_GEN NOM_CONC_K_GEN NOM_CONC_GLU_GEN NOM_CONC_CA_GEN NOM_CONC_CA_GEN NOM_CONC_CA_GEN NOM_CONC_CA_GEN	26636 26660 26672 26876 28680 28684 28692 28724 28728 28724 28772 28780 28888 28932 28936 28940 28944 28948 28952 28992
NOM_FLOW_URINE_INSTANT NOM_VOL_URINE_BAL_PD NOM_VOL_URINE_COL NOM_VOL_INFUS_ACTUAL_TOTAL NOM_CONC_PH_ART NOM_CONC_PCO2_ART NOM_CONC_PO2_ART NOM_CONC_HB_ART NOM_CONC_HB_O2_ART NOM_CONC_PO2_VEN NOM_CONC_PH_VEN NOM_CONC_PH_VEN NOM_CONC_PH_VEN NOM_CONC_PCO2_VEN NOM_CONC_PH_URINE NOM_CONC_PH_URINE NOM_CONC_NA_URINE NOM_CONC_NA_SERUM NOM_CONC_PH_GEN NOM_CONC_NA_GEN NOM_CONC_NA_GEN NOM_CONC_CA_GEN NOM_CONC_CA_GEN NOM_CONC_CA_GEN	26636 26660 26672 26876 28680 28684 28692 28724 28728 28724 28772 28780 28888 28932 28936 28940 28944 28948 28952

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NOM_CONC_HCT_GEN	29060
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NOM_VOL_GLOBAL_END_DIA	61508
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NOM_PULS_OXIM_PLETH_RIGHT NOM_PULS_OXIM_PLETH_LEFT	61581
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NOM_CONC_BASE_EXCESS_ECF	61584
NOM_CONC_BASE_EXCESS_ECF NOM_VENT_VOL_MINUTE_AWAY_SPONT	61585
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NOW FOR CARD DEATH PETER	61645
NOM_USOUND_CARD_BEAT_FETAL_SIG_QUAL_IN	
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NOM_TEMP_VESICAL	61636
NOM_PRESS_BLD_ART_BRACHIAL_MEAN	61635
NOM_PRESS_BLD_ART_BRACHIAL_DIA	61634
NOM_PRESS_BLD_ART_BRACHIAL_SYS	61633
NOM_PRESS_BLD_ART_BRACHIAL	61632
NOM_PRESS_BLD_ART_FEMORAL_MEAN	61631
NOM_PRESS_BLD_ART_FEMORAL_DIA	61630
NOM_PRESS_BLD_ART_FEMORAL_SYS	61629
NOM_PRESS_BLD_ART_FEMORAL	61628
NOM_PRESS_INTRA_CRAN_2_MEAN	61627
NOM_PRESS_INTRA_CRAN_2_DIA	61626
NOM_PRESS_INTRA_CRAN_2_SYS	61625
NOM_PRESS_INTRA_CRAN_2	61624
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NOM_PRESS_INTRA_CRAN_1_DIA	61622
NOM_PRESS_INTRA_CRAN_1_SYS	61621
NOM_PRESS_INTRA_CRAN_1	61620
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NOM_PRESS_GEN_4_DIA	61618
NOM_PRESS_GEN_4_SYS	61617
NOM_PRESS_GEN_4	61616
NOM_PRESS_GEN_3_MEAN	61615
NOM_PRESS_GEN_3_DIA	61614
NOM_PRESS_GEN_3_SYS	61613
NOM_PRESS_GEN_3	61612
NOM_PRESS_GEN_2_MEAN	61611
NOM_PRESS_GEN_2_DIA	61610
NOM_PRESS_GEN_2_SYS	61609
NOM_PRESS_GEN_2	61608
NOM_PRESS_GEN_1_MEAN	61607
NOM_PRESS_GEN_1_DIA	61606
NOM_PRESS_GEN_1_SYS	61605
NOM_PRESS_GEN_1	61604
NOM_PRESS_BLD_NONINV_TELE_MEAN	61603
NOM_PRESS_BLD_NONINV_TELE_DIA	61602
NOM_PRESS_BLD_NONINV_TELE_SYS	61600
NOM_PULS_OXIM_PULS_RATE_TELE NOM_PRESS_BLD_NONINV_TELE	61597 61600
NOM_PULS_OXIM_SAT_O2_TELE NOM_PULS_OXIM_PULS_RATE_TELE	
NOM_PULS_OXIM_PLETH_TELE NOM_PULS_OXIM_SAT_O2_TELE	61596
NOM_CONC_AWAY_MAC NOM_PULS_OXIM_PLETH_TELE	61593 61595
	61588
NOM_PAT_WEIGHT NOM_PAT_HEIGHT	61587
NOM_CONC_DIFF_HB_O2_ATR_VEN NOM_PAT_WEIGHT	61586
NOW CONC DIEE HR O2 ATD VEN	61506

NOW BOO CARD DEAT DATE BETTAL BED	(1(/0
	61648
NOM_ECG_CARD_BEAT_FETAL_SIG_QUAL_INDEX	
NOM_TRIG_BEAT_FETAL	61650
NOM_ECG_ELEC_POTL_FETAL	61651
NOM_TOCO	61652
NOM_STAT_COINCIDENCE	61653
NOM_PRESS_INTRA_UTERAL	61656
NOM_VOL_AWAY	61663
NOM_VOL_AWAY_INSP_TIDAL	61664
NOM_VOL_AWAY_EXP_TIDAL	61665
NOM_AWAY_RESP_RATE_SPIRO	61666
NOM_PULS_PRESS_VAR	61667
NOM_PRESS_BLD_NONINV_PULS_RATE	61669
NOM_RATIO_FETAL_MVMT_TOTAL	61680
NOM_VENT_RESP_RATE_MAND	61681
NOM_VENT_VOL_TIDAL_MAND	61682
NOM_VENT_VOL_TIDAL_SPONT	61683
NOM_CARDIAC_TROPONIN_I	61684
NOM_CARDIO_PULMONARY_BYPASS_MODE	61685
NOM_BNP	61686
NOM_TIME_PD_RESP_PLAT	61695
NOM_SAT_O2_VEN_CENT	61696
NOM_SNR	61697
NOM_HUMID	61699
NOM_FRACT_EJECT	61701
NOM_PERM_VASC_PULM_INDEX	61702
NOM_TEMP_ORAL	61704
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	61712
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NOM_TEMP_AIR_INCUB	61738
NOM_PULS_OXIM_PERF_REL_TELE	61740
NOM TEMP PRED	61760
NOM_SHUNT_RIGHT_LEFT	61770
NOM_ECG_TIME_PD_QT_HEART_RATE	61780
NOM FCG TIME PD OT BASELINE	61781
NOM_ECG_TIME_PD_QT_BASELINE NOM_ECG_TIME_PD_QTc_DELTA	61782
NOM_ECG_TIME_PD_QT_BASELINE_HEART_RATE	
NOM_CONC_PH_CAP	61784
NOM_CONC_PCO2_CAP	61785
NOM_CONC_PO2_CAP	61786
NOM_SAT_O2_CAP	61793
NOM_CONC_MG_ION	61787
NOM_CONC_MG_SER	61788
NOM_CONC_tCA_SER	61789
NOM_CONC_P_SER	61790
NOM_CONC_I_SER NOM_CONC_CHLOR_SER	61791
NOM_CONC_FE_GEN	61792
NOM_CONC_AN_GAP	61794
NOM_CONC_AN_GAP_CALC	61857
NOM_CONC_ALB_SER	61795
NOM_CONC_ALB_SER NOM_SAT_O2_ART_CALC	61796
NOM_SAT_O2_ART_CALC NOM_SAT_O2_VEN_CALC	61798
NOM_SAT_O2_VEN_CALC NOM_SAT_O2_CAP_CALC	61856
NOM_SAT_OZ_CAP_CALC NOM_CONC_HB_CO_GEN	29056
MOM_COMC_HD_CO_GEN	<i>29</i> 0 <i>3</i> 0

NOM_CONC_HB_FETAL	61797
NOM_CONC_HB_MET_GEN	29052
NOM_PLTS_CNT	61799
NOM_WB_CNT	61800
NOM_RB_CNT	61801
NOM_RET_CNT	61802
NOM_PLASMA_OSM	61803
NOM_CONC_CREA_CLR	61804
NOM_NSLOSS	61805
NOM_CONC_CHOLESTEROL	61806
NOM_CONC_TGL	61807
NOM_CONC_HDL	61808
NOM_CONC_LDL	61809
NOM_CONC_UREA_GEN	61810
NOM_CONC_CREA	61811
NOM_CONC_LACT	61812
NOM_CONC_BILI_TOT	61815
NOM_CONC_PROT_SER	61816
NOM_CONC_PROT_TOT	61817
NOM_CONC_BILI_DIRECT	61818
NOM_CONC_LDH	61819
NOM ES RATE	61820
NOM_CONC_PCT	61821
NOM_CONC_CREA_KIN_MM	61823
NOM_CONC_CREA_KIN_SER	61824
NOM_CONC_CREA_KIN_MB	61825
NOM_CONC_CHE	61826
NOM_CONC_CRP	61827
NOM_CONC_AST	61828
NOM_CONC_AP	61829
NOM_CONC_ALPHA_AMYLASE	61830
NOM_CONC_GPT	61831
NOM_CONC_GOT	61832
NOM_CONC_GGT NOM_TIME_PD_ACT	61833
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NOM_TIME_PD_PT	61835
NOM_PT_INTL_NORM_RATIO NOM_TIME_PD_aPTT_WB	61836
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NOM_TIME_PD_aPTT_PE	61838
NOM_TIME_PD_PT_WB	61839
NOM_TIME_PD_PT_PE	61840
NOM_TIME_PD_THROMBIN	61841
NOM_TIME_PD_COAGULATION	61842
NOM_TIME_PD_THROMBOPLAS	61843
NOM_FRACT_EXCR_NA	61844
NOM_CONC_UREA_URINE	61845
NOM_CONC_CREA_URINE	61846
NOM_CONC_K_URINE	61847
NOM_CONC_K_URINE_EXCR	61848
NOM_CONC_OSM_URINE	61849
NOM_CONC_GLU_URINE	61855
NOM_CONC_CHLOR_URINE	61850
NOM_CONC_PRO_URINE	61851
NOM_CONC_CA_URINE	61852
NOM_FLUID_DENS_URINE	61853
NOM_CONC_HB_URINE	61854

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NOM_PULS_OXIM_SAT_O2_PRE_DUCTAL	61861 61888
NOM PULS OXIM PERF REL PRE DUCTAL	
	61996
NOM_PULS_OXIM_SAT_O2_POST_DUCTAL	61908
NOM_PULS_OXIM_PERF_REL_POST_DUCTAL	61916
NOM_PRESS_GEN_5	62452
NOM_PRESS_GEN_5_SYS	62453
NOM_PRESS_GEN_5_DIA	62454
NOM_PRESS_GEN_5_MEAN	62455
NOM_PRESS_GEN_6	62456
NOM_PRESS_GEN_6_SYS	62457
NOM_PRESS_GEN_6_DIA	62458
NOM_PRESS_GEN_6_MEAN	62459
NOM_PRESS_GEN_7	62460
NOM_PRESS_GEN_7_SYS	62461
NOM_PRESS_GEN_7_DIA	62462
NOM_PRESS_GEN_7_MEAN	62463
NOM_PRESS_GEN_8	62464
NOM_PRESS_GEN_8_SYS	62465
NOM_PRESS_GEN_8_DIA	62466
NOM_PRESS_GEN_8_MEAN	62467
NOM_ECG_AMPL_ST_BASELINE_I	62481
NOM_ECG_AMPL_ST_BASELINE_II	62482
NOM_ECG_AMPL_ST_BASELINE_V1	62483
NOM_ECG_AMPL_ST_BASELINE_V2	62484
NOM_ECG_AMPL_ST_BASELINE_V3	62485
NOM_ECG_AMPL_ST_BASELINE_V4	62486
NOM_ECG_AMPL_ST_BASELINE_V5	62487
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NOM_ECG_AMPL_ST_BASELINE_III	62541
NOM_ECG_AMPL_ST_BASELINE_AVR	62542
NOM_ECG_AMPL_ST_BASELINE_AVL	62543
NOM_ECG_AMPL_ST_BASELINE_AVF	62544
NOM_AGE	63504
NOM_AGE_GEST	63505
NOM_AWAY_CORR_COEF	63508
NOM_AWAY_RESP_RATE_SPONT	63509
NOM_AWAY_TC	63510
NOM_BIRTH_LENGTH	63512
NOM_BREATH_RAPID_SHALLOW_INDEX	63513
NOM_C20_PER_C_INDEX	63514
NOM_CARD_CONTRACT_HEATHER_INDEX	63516
NOM_CONC_ALP	63517
NOM_CONC_CA_GEN_NORM	63522
NOM_CONC_CA_SER	63524
NOM_CONC_CO2_TOT	63525
NOM_CONC_CO2_TOT_CALC	63526
NOM_CONC_CREA_SER	63527
NOM_RESP_RATE_SPONT	63528
NOM_CONC_GLO_SER	63529
NOM_CONC_GLU_SER	63530
NOM_CONC_HB_CORP_MEAN	63532
NOM_CONC_K_SER	63535
NOM_CONC_NA_EXCR	63536
NOM_CONC_PCO2_ART_ADJ	63538
NOM_CONC_PCO2_CAP_ADJ	63539

NOM_CONC_PH_CAP_ADJ	63543
NOM_CONC_PH_GEN_ADJ	63544
NOM_CONC_PO2_ART_ADJ	63547
NOM_CONC_PO2_CAP_ADJ	63548
NOM_CREA_OSM	63551
NOM_EEG_BURST_SUPPRN_INDEX	63552
NOM_EEG_ELEC_POTL_CRTX_GAIN_LEFT	63553
NOM_EEG_ELEC_POTL_CRTX_GAIN_RIGHT	63554
NOM_EEG_FREQ_PWR_SPEC_CRTX_MEDIAN_LEF	Γ
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NOM_EEG_FREQ_PWR_SPEC_CRTX_MEDIAN_RIG	
	63564
NOM_EEG_PWR_SPEC_ALPHA_ABS_LEFT	63573
NOM_EEG_PWR_SPEC_ALPHA_ABS_RIGHT	63574
NOM_EEG_PWR_SPEC_BETA_ABS_LEFT	63579
NOM_EEG_PWR_SPEC_BETA_ABS_RIGHT	63580
NOM_EEG_PWR_SPEC_DELTA_ABS_LEFT	63587
NOM_EEG_PWR_SPEC_DELTA_ABS_RIGHT	63588
NOM EEG PWR SPEC THETA ABS LEFT	63593
NOM_EEG_PWR_SPEC_THETA_ABS_RIGHT	63594
NOM_ELEC_EVOK_POTL_CRTX_ACOUSTIC_AAI	63603
NOM EXTRACT O2 INDEX	63605
NOM_FLOW_AWAY_AIR	63607
NOM_FLOW_AWAY_EXP_ET	63610
NOM_FLOW_AWAY_MAX_SPONT	63613
NOM_FLOW_AWAY_TOT	63617
NOM_FLOW_CO2_PROD_RESP_TIDAL	63618
NOM_FLOW_URINE_PREV_24HR	63619
NOM_FREE_WATER_CLR	63620
NOM_FREE_WATER_CER NOM_HB_CORP_MEAN	63621
NOM_HEATING_PWR_INCUBATOR	63622
NOM_OUTPUT_CARD_INDEX_ACCEL	63625
NOM_PTC_CNT	63627
NOM_PULS_OXIM_PLETH_GAIN	63629
NOM_RATIO_AWAY_RATE_VOL_AWAY	63630
NOM_RATIO_AWAI_RATE_VOL_AWAI NOM_RATIO_BUN_CREA	63631
NOM_RATIO_BUN_CREA NOM_RATIO_CONC_BLD_UREA_NITROGEN_CRE	
NOM_RATIO_CONC_BLD_OREA_NTI ROGEN_CRE	63632
NOM_RATIO_CONC_URINE_CREA_CALC	63633
NOM_RATIO_CONC_URINE_CREA_SER	63634
NOM_RATIO_CONC_URINE_NA_K	63635
NOM_RATIO_EONE_URINE_IVI_R NOM_RATIO_PaO2_FIO2	63636
NOM_RATIO_TIME_PD_PT	63637
NOM_RATIO_TIME_PD_PTT	63638
	63639
NOM_RATIO_URINE_SER_OSM	
NOM_RATIO_URINE_SER_OSM	63640
NOM_RES_AWAY_DYN	63641
NOM_RESP_BREATH_ASSIST_CNT	63642
NOM_RIGHT_HEART_FRACT_EJECT	63643
NOM_TIME_PD_EVOK_REMAIN	63648
NOM_TIME_PD_EXP	63649
NOM_TIME_PD_FROM_LAST_MSMT NOM_TIME_PD_INSP	63650
NOM_TIME_PD_KAOLIN_CEPHALINE	63651 63652
NOM_TIME_PD_RAOLIN_CEPHALINE NOM_TIME_PD_PTT	63652
NOM_TIME_PD_FTT NOM_TRAIN_OF_FOUR_1	
INOIVI_I KAIIN_OF_FOUK_I	63655

NOM_TRAIN_OF_FOUR_2	63656
NOM_TRAIN_OF_FOUR_3	63657
NOM_TRAIN_OF_FOUR_4	63658
NOM_TRAIN_OF_FOUR_CNT	63659
NOM_TWITCH_AMPL	63660
NOM_UREA_SER	63661
	-
NOM_VENT_ACTIVE	63664
NOM_VENT_AMPL_HFV	63665
NOM_VENT_CONC_AWAY_AGENT_DELTA	63666
NOM_VENT_CONC_AWAY_DESFL_DELTA	63667
NOM_VENT_CONC_AWAY_ENFL_DELTA	63668
NOM_VENT_CONC_AWAY_HALOTH_DELTA	63669
NOM_VENT_CONC_AWAY_ISOFL_DELTA	63670
NOM_VENT_CONC_AWAY_N2O_DELTA	63671
NOM_VENT_CONC_AWAY_O2_CIRCUIT	63672
NOM_VENT_CONC_AWAY_SEVOFL_DELTA	63673
NOM_VENT_PRESS_AWAY_END_EXP_POS_LIMIT_I	
NOW_VENT_PRESS_AWAT_END_EAP_POS_LIMIT_	
	63674
NOM_VENT_PRESS_AWAY_PV	63676
NOM_VENT_TIME_PD_RAMP	63677
NOM_VENT_VOL_AWAY_INSP_TIDAL_HFV	63678
NOM_VENT_VOL_TIDAL_HFV	63679
NOM_VOL_AWAY_EXP_TIDAL_SPONT	63682
NOM_VOL_AWAY_TIDAL_PSV	63683
NOM VOL CORP MEAN	63684
NOM_VOL_FLUID_THORAC	63685
NOM_VOL_FLUID_THORAC_INDEX	63686
	63687
NOM_VOL_LVL_LIQUID_BOTTLE_AGENT	
NOM_VOL_LVL_LIQUID_BOTTLE_DESFL	63688
NOM_VOL_LVL_LIQUID_BOTTLE_ENFL	63689
NOM_VOL_LVL_LIQUID_BOTTLE_HALOTH	63690
NOM_VOL_LVL_LIQUID_BOTTLE_ISOFL	63691
NOM_VOL_LVL_LIQUID_BOTTLE_SEVOFL	63692
NOM_VOL_MINUTE_AWAY_INSP_HFV	63693
NOM_VOL_URINE_BAL_PD_INSTANT	63694
NOM_VOL_URINE_SHIFT	63695
NOM_VOL_VENT_L_END_SYS_INDEX	63697
NOM_WEIGHT_URINE_COL	63699
NOM_SAT_O2_TISSUE	63840
NOM CEREB STATE INDEX	63841
NOM_SAT_O2_GEN_1	63842
NOM_SAT_O2_GEN_2	63843
NOM_SAT_O2_GEN_3	63844
NOM_SAT_O2_GEN_4	63845
NOM_TEMP_CORE_GEN_1	63846
NOM_TEMP_CORE_GEN_2	63847
NOM_PRESS_BLD_DIFF	63848
NOM_PRESS_BLD_DIFF_GEN_1	63852
NOM PRESS BLD DIFF GEN 2	63856
NOM_FLOW_PUMP_HEART_LUNG_MAIN	63860
NOM_FLOW_PUMP_HEART_LUNG_SLAVE	63861
NOM_FLOW_PUMP_HEART_LUNG_SUCTION	63862
NOM_FLOW_PUMP_HEART_LUNG_AUX	63863
NOM_FLOW_PUMP_HEART_LUNG_CARDIOPLEGI	
	63864

NOM_FLOW_PUMP_HEART_LUNG_CARDIOPLEGL	A_SLAVE
	63865
NOM_TIME_PD_PUMP_HEART_LUNG_AUX_SINCE	C_START
	63866
NOM_TIME_PD_PUMP_HEART_LUNG_AUX_SINCE	C_STOP
	63867
NOM_VOL_DELIV_PUMP_HEART_LUNG_AUX	63868
NOM_VOL_DELIV_TOTAL_PUMP_HEART_LUNG_A	AUX
	63869
NOM_TIME_PD_PLEGIA_PUMP_HEART_LUNG_AU	X
	63870
NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLE	EGIA MAIN SINCE START
	63871
NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLE	EGIA MAIN SINCE STOP
	63872
NOM_VOL_DELIV_PUMP_HEART_LUNG_CARDIOI	
1,01,1_,02_2222, _1 0,111 _11241(1_201,0_0,1142101	63873
NOM_VOL_DELIV_TOTAL_PUMP_HEART_LUNG_O	
TOM_YOU_DEET Y_TO THE_TO MIT_THE MCT_EOT(G_C	63874
NOM_TIME_PD_PLEGIA_PUMP_HEART_LUNG_CA	
	63875
NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLE	
NOW_TIME_ID_IOMI_IIEMCI_EONG_CARDIOLE	63876
NOM_TIME_PD_PUMP_HEART_LUNG_CARDIOPLE	
NOM_TIME_ID_IOMI_HEARI_LONG_CARDIOI EI	63877
NOM_VOL_DELIV_PUMP_HEART_LUNG_CARDIOI	
NOM_VOL_DELIV_FUMF_HEAR1_LUNG_CARDIO	63878
NOM_VOL_DELIV_TOTAL_PUMP_HEART_LUNG_O	- • - , -
NOM_VOL_DELIV_TOTAL_PUMP_HEART_LUNG_C	
NOW TIME DO DIECIA DUMD HEADT HING CA	63879
NOM_TIME_PD_PLEGIA_PUMP_HEART_LUNG_CA	
NOW DATIO INCO TOTAL DREATH COOKE	63880
NOM_RATIO_INSP_TOTAL_BREATH_SPONT	63888
NOM_VENT_PRESS_AWAY_END_EXP_POS_TOTAL	
NOM_COMPL_LUNG_PAV	63890
NOM_RES_AWAY_PAV	63891
NOM_RES_AWAY_EXP_TOTAL	63892
NOM_ELAS_LUNG_PAV	63893
NOM_BREATH_RAPID_SHALLOW_INDEX_NORM	63894
NOM_RESP_CM	64184
NOM_RESP_RATE_CM	64185
NOM_TEMP_INFRARED	64330
NOM_TEMP_TYMP_INFRARED	64331
NOM_TEMP_ORAL_INFRARED	64332
NOM_TEMP_AXIL_INFRARED	64333
NOM_TEMP_RECT_INFRARED	64334
NOM_TEMP_CORE_INFRARED	64335
NOM_ACOUSTIC_RESP_RATE	64351
NOM_ELEC_EVOK_POTL_CRTX_ACOUSTIC_AAI	63603
NOM_PTC_CNT	63627
NOM_RATIO_TRAIN_OF_FOUR	63639
NOM_TIME_PD_EVOK_REMAIN	63648
NOM_TRAIN_OF_FOUR_1	63655
NOM_TRAIN_OF_FOUR_2	63656
NOM_TRAIN_OF_FOUR_3	63657
NOM_TRAIN_OF_FOUR_4	63658
NOM_TRAIN_OF_FOUR_CNT	63659

NOM_TWITCH_AMPL	63660
NOM_PLETH_PULS_RATE_ABDOM	63908
NOM_PAT_AGE	64182
NOM_TEMP_INFRARED	64330
NOM_TEMP_TYMP_INFRARED	64331
NOM_TEMP_ORAL_INFRARED	64332
NOM_TEMP_AXIL_INFRARED	64333
NOM_TEMP_RECT_INFRARED	64334
NOM_TEMP_CORE_INFRARED	64335
NOM_SIG_QUAL_UNKNOWN	64361

The following code from the object oriented partition are used for the alert source:

code from the object oriented partition are used for the	ie aiert sour
NOM_MOC_VMO	1
NOM_MOC_VMO_METRIC_NU	6
NOM_MOC_VMO_METRIC_SA_RT	9
NOM_MOC_VMS_MDS	33
NOM_MOC_VMS_MDS_COMPOS_SINGLE_BED	35
NOM_MOC_VMS_MDS_SIMP	37
NOM_MOC_BATT	41
NOM_MOC_PT_DEMOG	42
NOM_MOC_VMO_AL_MON	54
NOM_ATTR_GRP_AL_MON	2049
NOM_ATTR_GRP_METRIC_VAL_OBS	2051
NOM_ATTR_GRP_PT_DEMOG	2055
NOM_ATTR_GRP_SYS_APPL	2058
NOM_ATTR_GRP_SYS_ID	2059
NOM_ATTR_GRP_SYS_PROD	2060
NOM_ATTR_GRP_VMO_DYN	2064
NOM_ATTR_GRP_VMO_STATIC	2065
NOM_ATTR_AL_MON_P_AL_LIST	2306
NOM_ATTR_AL_MON_T_AL_LIST	2308
NOM_ATTR_ALTITUDE	2316
NOM_ATTR_AREA_APPL	2317
NOM_ATTR_COLOR	2321
NOM_ATTR_DEV_AL_COND	2326
NOM_ATTR_DISP_RES	2327
NOM_ATTR_GRID_VIS_I16	2330
NOM_ATTR_ID_ASSOC_NO	2333
NOM_ATTR_ID_BED_LABEL	2334
NOM_ATTR_ID_HANDLE	2337
NOM_ATTR_ID_LABEL	2340
NOM_ATTR_ID_LABEL_STRING	2343
NOM_ATTR_ID_MODEL	2344
NOM_ATTR_ID_PROD_SPECN	2349
NOM_ATTR_ID_TYPE	2351
NOM_ATTR_LINE_FREQ	2357
NOM_ATTR_LOCALIZN	2359
NOM_ATTR_METRIC_INFO_LABEL	2364
NOM_ATTR_METRIC_INFO_LABEL_STR	2365
NOM_ATTR_METRIC_SPECN	2367
NOM_ATTR_METRIC_STAT	2368
NOM_ATTR_MODE_MSMT	2373
NOM_ATTR_MODE_OP	2374
NOM_ATTR_NOM_VERS	2376
NOM_ATTR_NU_CMPD_VAL_OBS	2379
NOM_ATTR_NU_VAL_OBS	2384

NOM_ATTR_PT_BSA	2390
NOM_ATTR_PT_DEMOG_ST	2391
NOM_ATTR_PT_DOB	2392
NOM_ATTR_PT_ID	2394
NOM_ATTR_PT_NAME_FAMILY	2396
NOM_ATTR_PT_NAME_GIVEN	2397
NOM_ATTR_PT_SEX	2401
NOM_ATTR_PT_TYPE	2402
NOM_ATTR_SA_CALIB_I16	2404
NOM_ATTR_SA_CMPD_VAL_OBS	2407
NOM_ATTR_SA_RANGE_PHYS_I16	2410
NOM_ATTR_SA_SPECN	2413
NOM_ATTR_SA_VAL_OBS	2414
NOM_ATTR_SCALE_SPECN_I16	2415
NOM_ATTR_STD_SAFETY	2434
NOM_ATTR_SYS_ID	2436
NOM_ATTR_SYS_SPECN	2437
NOM_ATTR_SYS_TYPE	2438
NOM ATTR TIME ABS	2439
NOM_ATTR_TIME_PD_SAMP	2445
NOM_ATTR_TIME_REL	2447
NOM_ATTR_TIME_STAMP_ABS	2448
NOM_ATTR_TIME_STAMP_REL	2449
NOM_ATTR_UNIT_CODE	2454
NOM ATTR VMS MDS STAT	2471
NOM_ATTR_PT_AGE	2520
NOM_ATTR_PT_HEIGHT	2524
NOM_ATTR_PT_WEIGHT	2527
NOM_ATTR_F1_WEIGHT NOM_ATTR_SA_FIXED_VAL_SPECN	
NOM_ATTR_SA_FIXED_VAL_SPECN NOM_ATTR_SYS_ADT_ST	2582
	2586
NOM_ACT_POLL_MODE	2590
NOM_ACT_POLL_MDIB_DATA	3094
NOM_NOTI_MDS_CREAT	3334
NOM_NOTI_CONN_INDIC	3351
NOM_DEV_METER_CONC_SKIN_GAS	4264
NOM_DEV_METER_FLOW_BLD	4284
NOM_DEV_ANALY_CONC_GAS_MULTI_PARAM_M	
NOM_DEV_METER_CONC_SKIN_GAS_MDS	4265
NOM_DEV_MON_PHYSIO_MULTI_PARAM_MDS	
NOM_DEV_PUMP_INFUS_MDS	4449
NOM_DEV_SYS_PT_VENT_MDS	4465
NOM_DEV_SYS_MULTI_MODAL_MDS	4493
NOM_DEV_SYS_VS_CONFIG_MDS	5209
NOM_DEV_SYS_VS_UNCONFIG_MDS	5213
NOM_DEV_ANALY_SAT_O2_VMD	4106
NOM_DEV_ANALY_CONC_GAS_MULTI_PARAM_V	MD 4114
NOM_DEV_ANALY_FLOW_AWAY_VMD	4130
NOM_DEV_ANALY_CARD_OUTPUT_VMD	4134
NOM_DEV_ANALY_PRESS_BLD_VMD	4174
NOM_DEV_ANALY_RESP_RATE_VMD	4186
NOM_DEV_CALC_VMD	4206
NOM_DEV_ECG_VMD	4262
NOM_DEV_METER_CONC_SKIN_GAS_VMD	4266
NOM_DEV_EEG_VMD	4274
NOM_DEV_METER_TEMP_BLD_VMD	4350
NOM_DEV_METER_TEMP_VMD	4366

NOM_DEV_MON_BLD_CHEM_MULTI_PARAM_V	MD 4398
NOM_DEV_SYS_PT_VENT_VMD	4466
NOM_DEV_SYS_MULTI_MODAL_VMD	4494
NOM_DEV_SYS_ANESTH_VMD	4506
NOM_DEV_GENERAL_VMD	5122
NOM_DEV_ECG_RESP_VMD	5130
NOM_DEV_ARRHY_VMD	5134
NOM_DEV_PULS_VMD	5138
NOM_DEV_ST_VMD	5142
NOM DEV CO2 VMD	5146
NOM DEV PRESS BLD NONINV VMD	5150
NOM_DEV_CEREB_PERF_VMD	5154
NOM_DEV_CO2_CTS_VMD	5158
NOM_DEV_CO2_TCUT_VMD	5162
NOM_DEV_CO2_VMD	5166
NOM_DEV_O2_CTS_VMD	5170
NOM_DEV_O2_TCUT_VMD	5170
NOM_DEV_TEMP_DIFF_VMD	5178
NOM_DEV_CNTRL_VMD	5182
NOM_DEV_WEDGE_VMD	5190
NOM_DEV_O2_VEN_SAT_VMD	5194
NOM_DEV_CARD_RATE_VMD	5202
NOM_DEV_PLETH_VMD	5238
NOM_ATTR_PT_ID_INT	61441
NOM_SAT_O2_TONE_FREQ	61448
NOM_ATTR_CMPD_REF_LIST	61449
NOM_OBJ_HIF_KEY	61584
NOM_OBJ_DISP	61616
NOM_OBJ_SOUND_GEN	61648
NOM_OBJ_SETTING	61649
NOM_OBJ_PRINTER	61650
NOM_OBJ_EVENT	61683
NOM_OBJ_BATT_CHARGER	61690
NOM_OBJ_ECG_OUT	61691
NOM_OBJ_INPUT_DEV	61692
NOM_OBJ_NETWORK	61693
NOM_OBJ_QUICKLINK	61694
NOM_OBJ_SPEAKER	61695
NOM_ATTR_NET_ADDR_INFO	61696
NOM_ATTR_PCOL_SUPPORT	61697
NOM_OBJ_PUMP	61716
NOM_OBJ_IR	61717
NOM_ATTR_PT_NOTES1	61737
NOM_ATTR_PT_NOTES2	61738
NOM_ACT_POLL_MDIB_DATA_EXT	61755
NOM_ATTR_TIME_PD_POLL	61758
NOM_DEV_ANALY_PULS_CONT	61800
NOM_DEV_ANALY_BISPECTRAL_INDEX_VMD	61806
NOM_DEV_HIRES_TREND	61820
NOM_DEV_HIRES_TREND_MDS	61821
NOM_DEV_HIRES_TREND_VMD	61822
NOM_DEV_MON_PT_EVENT_VMD	61826
NOM_DEV_DERIVED_MSMT	61828
NOM_DEV_DERIVED_MSMT_MDS	61829
NOM_DEV_DERIVED_MSMT_VMD	61830
NOM_OBJ_SENSOR	61902

NOM_OBJ_XDUCR	61903
NOM_OBJ_CHAN_1	61916
NOM_OBJ_CHAN_2	61917
NOM_OBJ_AWAY_AGENT_1	61918
NOM_OBJ_AWAY_AGENT_2	61919
NOM_ATTR_PT_BSA_FORMULA	61932
NOM_ATTR_MDS_GEN_INFO	61946
NOM_OBJ_HIF_MOUSE	61983
NOM_OBJ_HIF_TOUCH	61984
NOM_OBJ_HIF_SPEEDPOINT	61985
NOM_OBJ_HIF_ALARMBOX	61986
NOM_OBJ_BUS_I2C	61987
NOM_OBJ_CPU_SEC	61988
NOM_OBJ_LED	61990
NOM_OBJ_RELAY	61991
NOM_ATTR_POLL_OBJ_PRIO_NUM	61992
NOM_OBJ_BATT_1	61996
NOM_OBJ_BATT_2	61997
NOM_OBJ_DISP_SEC	61998
NOM_OBJ_AGM	61999
NOM_ATTR_POLL_NU_PRIO_LIST	62009
NOM_ATTR_POLL_RTSA_PRIO_LIST	62010
NOM_OBJ_CABLE	62016
NOM_DEV_NMT	62400
NOM_DEV_NMT_MDS	62401
NOM_DEV_NMT_VMD	62402

The following codes from the event partition are used for the alert code:

ig codes from the event partition are used for th	ic aicit code.
NOM_EVT_ABSENT	4
NOM_EVT_CONTAM	14
NOM_EVT_DISCONN	22
NOM_EVT_DISTURB	24
NOM_EVT_EMPTY	26
NOM_EVT_ERRATIC	32
NOM_EVT_EXH	36
NOM_EVT_FAIL	38
NOM_EVT_HI	40
NOM_EVT_IRREG	58
NOM_EVT_LO	62
NOM_EVT_MALF	70
NOM_EVT_NOISY	74
NOM_EVT_OBSTRUC	80
NOM_EVT_REVERSED	96
NOM_EVT_SUST	106
NOM_EVT_UNAVAIL	110
NOM_EVT_UNDEF	112
NOM_EVT_WARMING	124
NOM_EVT_WEAK	128
NOM_EVT_BREATH_ABSENT	136
NOM_EVT_CALIB_FAIL	138
NOM_EVT_CONFIG_ERR	142
NOM_EVT_RANGE_ERR	164
NOM_EVT_RANGE_OVER	166
NOM_EVT_SRC_ABSENT	174
NOM_EVT_SYNCH_ERR	182
NOM_EVT_BATT_LO	194

NOVER DATE DOOR	400
NOM_EVT_BATT_PROB	198
NOM_EVT_CUFF_NOT_DEFLATED	230
NOM_EVT_CUFF_INFLAT_OVER	232
NOM_EVT_DOOR_OR_HANDLE_POSN_PROB	234
NOM_EVT_EQUIP_MALF	242
NOM_EVT_TUBE_OCCL	250
NOM_EVT_GAS_AGENT_IDENT_MALF	258
NOM_EVT_LEAD_DISCONN	268
NOM_EVT_LEADS_OFF	274
NOM_EVT_O2_SUPPLY_LO	296
NOM_EVT_OPTIC_MODULE_ABSENT	298
NOM_EVT_OPTIC_MODULE_DEFECT	300
NOM_EVT_PAPER_PROB	302
NOM_EVT_SENSOR_DISCONN	308
NOM_EVT_SENSOR_MALF	310
NOM_EVT_SENSOR_PROB	312
NOM_EVT_SW_VER_UNK	322
NOM_EVT_TUBE_DISCONN	326
NOM EVT TUBE OBSTRUC	330
NOM_EVT_XDUCR_DISCONN	336
NOM_EVT_XDUCR_MALF	338
NOM_EVT_INTENS_LIGHT_ERR	350
NOM_EVT_MSMT_DISCONN	352
NOM_EVT_MSMT_ERR	354
NOM_EVT_MSMT_FAIL	356
NOM_EVT_MSMT_INOP	358
NOM_EVT_MSMT_INTERRUP	362
NOM_EVT_MSMT_RANGE_OVER	364
NOM_EVT_MSMT_RANGE_OVER NOM_EVT_MSMT_RANGE_UNDER	
	366
NOM_EVT_SIG_LO	380
NOM_EVT_SIG_UNANALYZEABLE	384
NOM_EVT_TEMP_HI_GT_LIM	394
NOM_EVT_UNSUPPORTED	400
NOM_EVT_WAVE_ARTIF_ERR	432
NOM_EVT_WAVE_SIG_QUAL_ERR	434
NOM_EVT_MSMT_INTERF_ERR	436
NOM_EVT_WAVE_OSCIL_ABSENT	442
NOM_EVT_VOLTAGE_OUT_OF_RANGE	460
NOM_EVT_INCOMPAT	600
NOM_EVT_ADVIS_CHK	6658
NOM_EVT_ADVIS_CALIB_AND_ZERO_CHK	6664
NOM_EVT_ADVIS_CONFIG_CHK	6666
NOM_EVT_ADVIS_SETTINGS_CHK	6668
NOM_EVT_ADVIS_SETUP_CHK	6670
NOM_EVT_ADVIS_SRC_CHK	6672
NOM_EVT_BATT_COND	6676
NOM_EVT_BATT_REPLACE	6678
NOM_EVT_ADVIS_CABLE_CHK	6680
NOM_EVT_ADVIS_GAS_AGENT_CHK	6688
NOM_EVT_ADVIS_LEAD_CHK	6690
NOM_EVT_ADVIS_REC_PAPER_REPLACE	6694
NOM_EVT_ADVIS_SENSOR_CHK	6696
NOM_EVT_ADVIS_GAIN_DECR	6704
NOM_EVT_ADVIS_GAIN_INCR	6706
NOM_EVT_ADVIS_UNIT_CHK	6710
NOM_EVT_APNEA	3072
1,0,1,2,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,1,	50/2

NOM_EVT_ECG_ASYSTOLE	3076
NOM_EVT_ECG_BEAT_MISSED	3078
NOM_EVT_ECG_BIGEM	3082
NOM_EVT_ECG_BRADY_EXTREME	3086
NOM_EVT_ECG_PACING_NON_CAPT	3102
NOM_EVT_ECG_PAUSE	3108
NOM_EVT_ECG_TACHY_EXTREME	3122
NOM_EVT_ECG_CARD_BEAT_RATE_IRREG	3158
NOM_EVT_ECG_PACER_NOT_PACING	3182
NOM_EVT_ECG_SV_TACHY	3192
NOM_EVT_ECG_V_P_C_RonT	3206
NOM_EVT_ECG_V_P_C_MULTIFORM	3208
NOM_EVT_ECG_V_P_C_PAIR	3210
NOM_EVT_ECG_V_P_C_RUN	3212
NOM_EVT_ECG_V_RHY	3220
NOM_EVT_ECG_V_TACHY	3224
NOM_EVT_ECG_V_TACHY_NON_SUST	3226
NOM_EVT_ECG_V_TRIGEM	3236
NOM EVT DESAT	3246
NOM_EVT_ECG_V_P_C_RATE	3252
NOM_EVT_STAT_AL_OFF	6144
NOM_EVT_STAT_AL_OFF NOM_EVT_STAT_BATT_CHARGING	6150
NOM_EVT_STAT_BATT_CHARGING NOM_EVT_STAT_CALIB_MODE	6152
NOM_EVT_STAT_CALIB_MODE NOM_EVT_STAT_CALIB_RUNNING	6154
	-
NOM_EVT_STAT_CALIB_INVIVO_RUNNING	6156
NOM_EVT_STAT_CALIB_LIGHT_RUNNING	6158
NOM_EVT_STAT_CALIB_PREINS_RUNNING	6160
NOM_EVT_STAT_SELFTEST_RUNNING	6164
NOM_EVT_STAT_ZERO_RUNNING	6170
NOM_EVT_STAT_OPT_MOD_SENSOR_CONN	6172
NOM_EVT_STAT_OPT_MOD_SENSOR_WARMING	6174
NOM_EVT_STAT_SENSOR_WARMING	6176
NOM_EVT_STAT_WARMING	6178
NOM_EVT_STAT_ECG_AL_ALL_OFF	6182
NOM_EVT_STAT_ECG_AL_SOME_OFF	6184
NOM_EVT_STAT_LEARN	6224
NOM_EVT_STAT_OFF	6226
NOM_EVT_STAT_STANDBY	6228
NOM_EVT_STAT_DISCONN	6256
NOM_EVT_ADVIS_CALIB_REQD	6662
NOM_EVT_ECG_V_FIB_TACHY	61444
NOM_EVT_WAIT_CAL	61678
NOM_EVT_ADVIS_CHANGE_SITE	61682
NOM_EVT_ADVIS_CHECK_SITE_TIME	61684
NOM_EVT_STAT_FW_UPDATE_IN_PROGRESS	61688
NOM_EVT_EXT_DEV_AL_CODE_1	61690
NOM_EVT_EXT_DEV_AL_CODE_2	61692
NOM_EVT_EXT_DEV_AL_CODE_3	61694
NOM_EVT_EXT_DEV_AL_CODE_4	61696
NOM_EVT_EXT_DEV_AL_CODE_5	61698
NOM_EVT_EXT_DEV_AL_CODE_6	61700
NOM_EVT_EXT_DEV_AL_CODE_7	61702
NOM_EVT_EXT_DEV_AL_CODE_8	61704
NOM_EVT_EXT_DEV_AL_CODE_9	61706
	01/00
NOM_EVT_EXT_DEV_AL_CODE_10	61708
NOM_EVT_EXT_DEV_AL_CODE_10 NOM_EVT_EXT_DEV_AL_CODE_11	

NOM_EVT_EXT_DEV_AL_CODE_12	61712
NOM_EVT_EXT_DEV_AL_CODE_13	61714
NOM_EVT_EXT_DEV_AL_CODE_14	61716
NOM_EVT_EXT_DEV_AL_CODE_15	61718
NOM_EVT_EXT_DEV_AL_CODE_16	61720
NOM_EVT_EXT_DEV_AL_CODE_17	61722
NOM_EVT_EXT_DEV_AL_CODE_18	61724
NOM_EVT_EXT_DEV_AL_CODE_19	61726
NOM_EVT_EXT_DEV_AL_CODE_20	61728
NOM_EVT_EXT_DEV_AL_CODE_21	61730
NOM_EVT_EXT_DEV_AL_CODE_22	61732
NOM_EVT_EXT_DEV_AL_CODE_23	61734
NOM_EVT_EXT_DEV_AL_CODE_24	61736
NOM_EVT_EXT_DEV_AL_CODE_25	61738
NOM_EVT_EXT_DEV_AL_CODE_26	61740
NOM_EVT_EXT_DEV_AL_CODE_27	61742
NOM_EVT_EXT_DEV_AL_CODE_28	61744
NOM_EVT_EXT_DEV_AL_CODE_29	61746
NOM_EVT_EXT_DEV_AL_CODE_30	61748
NOM_EVT_EXT_DEV_AL_CODE_31	61750
NOM_EVT_EXT_DEV_AL_CODE_32	61752
NOM_EVT_EXT_DEV_AL_CODE_32 NOM_EVT_EXT_DEV_AL_CODE_33	
NOM_EVT_ST_MULTI	61754
	61756
NOM_EVT_ADVIS_BSA_REQD	61760
NOM_EVT_ADVIS_PRESUMED_CVP	61762
NOM_EVT_MSMT_UNSUPPORTED	61764
NOM_EVT_BRADY	61766
NOM_EVT_TACHY	61768
NOM_EVT_ADVIS_CHANGE_SCALE	61770
NOM_EVT_MSMT_RESTART	61772
NOM_EVT_TOO_MANY_AGENTS	61774
NOM_EVT_STAT_PULSE_SRC_RANGE_OVER	61778
NOM_EVT_STAT_PRESS_SRC_RANGE_OVER	61780
NOM_EVT_MUSCLE_NOISE	61782
NOM_EVT_LINE_NOISE	61784
NOM_EVT_IMPED_HI	61786
NOM_EVT_AGENT_MIX	61788
NOM_EVT_IMPEDS_HI	61790
NOM_EVT_ADVIS_PWR_HI	61792
NOM_EVT_ADVIS_PWR_OFF	61794
NOM_EVT_ADVIS_PWR_OVER	61796
NOM_EVT_ADVIS_DEACT	61798
NOM_EVT_CO_WARNING	61800
NOM_EVT_ADVIS_NURSE_CALL	61802
NOM_EVT_COMP_MALF	61804
NOM_EVT_AGENT_MEAS_MALF	61806
NOM_EVT_ADVIS_WATER_TRAP_CHK	61808
NOM_EVT_STAT_AGENT_CALC_RUNNING	61810
NOM_EVT_ADVIS_ADAPTER_CHK	61814
NOM_EVT_ADVIS_PUMP_OFF	61816
NOM_EVT_ZERO_FAIL	61818
NOM_EVT_ADVIS_ZERO_REQD	61820
NOM_EVT_ADVIS_ZERO_REQUIRED NOM_EVT_ADVIS_REC_PAPER_SIZE	61822
NOM_EVT_ADVIS_REC_TALER_SIZE NOM_EVT_ADVIS_SIG_LOST	61824
NOM_EVT_REC_HEAD_TEMP_HI	61826
NOM_EVT_EXTR_HI	61830
INCOVERVE EATE III	01000

NOM_EVT_EXTR_LO	61832
NOM_EVT_LEAD_DISCONN_YELLOW	61833
NOM_EVT_LEAD_DISCONN_RED	61834
NOM EVT CUFF INFLAT OVER YELLOW	61835
NOM_EVT_CUFF_INFLAT_OVER_RED	61836
NOM_EVT_CUFF_NOT_DEFLATED_YELLOW	61837
NOM_EVT_CUFF_NOT_DEFLATED_RED	61838
NOM_EVT_ADVIS_ACTION_REQD	61840
NOM_EVT_OUT_OF_AREA	61842
NOM_EVT_LEADS_DISCONN	61844
NOM_EVT_DEV_ASSOC_CHK	61846
NOM_EVT_SYNCH_UNSUPPORTED	61848
NOM_EVT_ECG_ADVIS_SRC_CHK	61850
NOM_EVT_ALARM_TECH	61852
NOM EVT ALARM TECH YELLOW	61854
NOM_EVT_ALARM_TECH_RED	61856
NOM_EVT_ALARM_MED_YELLOW_SHORT	61858
NOM_EVT_ALARM_MED_YELLOW	61860
NOM_EVT_ALARM_MED_RED	61862
NOM_EVT_SHUTDOWN	61872
NOM_EVT_TELE_EQUIP_MALF	61874
NOM_EVT_SYNCH_ERR_ECG	61876
NOM_EVT_SYNCH_ERR_SPO2T	61878
NOM_EVT_ADVIS_ACTION_REQD_YELLOW	61880
NOM_EVT_ADVIS_NBP_SEQ_COMPLETED	61882
NOM_EVT_PACER_OUTPUT_LO	61884
NOM_EVT_ALARM_MORE_TECH	61886
NOM_EVT_ALARM_MORE_TECH_YELLOW	61888
NOM_EVT_ALARM_MORE_TECH_RED	61890
NOM_EVT_ADVIS_PATIENT_CONFLICT	61892
NOM_EVT_SENSOR_REPLACE	61894
NOM_EVT_ECG_ATR_FIB	61896
NOM_EVT_LIMITED_CONNECTIVITY	61900
NOM_EVT_DISABLED	61924
NOM_EVT_ECG_ABSENT	61926
NOM_EVT_SRR_INTERF	61928
NOM_EVT_SRR_INVALID_CHAN	61930
NOM_EVT_EXT_DEV_DEMO	62032
NOM_EVT_EXT_DEV_MONITORING	62034
NOM_EVT_PAT_TYPE_UNSUPPORTED	62042
NOM_EVT_ST_ELEVATION	62060
NOM_EVT_ADVIS_PAT_AGE_CHK	62082
NOM_EVT_ADVIS_SERVICE_REQD	62114
NOM_EVT_ADVIS_SW_LICENSE_REQD	62116

Private Unicode Characters

The monitor may use the following private codes for UNICODE characters:

```
#define SUBSCRIPT CAPITAL E CHAR
                                      0xE145
         /* SUBSCRIPT CAPITAL E
#define SUBSCRIPT CAPITAL L CHAR
                                      0xE14C
         /* SUBSCRIPT CAPITAL L
#define LITER PER CHAR
                                     0xE400
          /* LITER PER - used in 4 char unit "1/min"
#define HYDROGEN CHAR 0xE401
          /* HYDROGEN - Used in 4 char unit "cmH2O"
#define ALARM STAR CHAR
                                     0xE40D
          /* ALARM STAR
#define CAPITAL V WITH DOT ABOVE CHAR 0xE425
         /* CAPITAL V WITH DOT ABOVE (V with dot)
#define ZERO_WIDTH_NO_BREAK_SPACE_CHAR 0xFEFF
          /* The character OxFEFF is used as FILL character.
          For each wide asian character, a FILL character is
          appended for size calculations. */
```

List of Constants Used Within the Protocol Definition

RO Types

```
#define ROIV_APDU 1
#define RORS_APDU 2
#define ROER_APDU 3
#define ROLRS APDU 5
```

ROLRS Identifier

ROSE Commands

ROER Error Values

```
#define NO_SUCH_OBJECT_CLASS 0
#define NO_SUCH_OBJECT_INSTANCE 1
#define ACCESS_DENIED 2
#define GET_LIST_ERROR 7
#define SET_LIST_ERROR 8
#define NO_SUCH_ACTION 9
#define PROCESSING_FAILURE 10
#define INVALID_ARGUMENT_VALUE 15
#define INVALID_SCOPE 16
#define INVALID_OBJECT_INSTANCE 17
```

Action and Event Types

The Action and Event Types are defined in the Object Oriented Elements partition of the nomenclature.

Protocol Identification

The IDs for the protocol identification are from the Infrastructure nomenclature partition.

```
#define NOM_POLL_PROFILE_SUPPORT 1
   /* id for polling profile */
#define NOM_MDIB_OBJ_SUPPORT 258
   /* supported objects for the active profile */
#define NOM_ATTR_POLL_PROFILE_EXT 61441
   /* id for poll profile extensions opt. package */
```

Association Control

<pre>#define MDDL_VERSION1 /* Data Export Protocol Version */</pre>	0x80000000
#define NOMEN_VERSION /* Nomenclature Version */	0x40000000
#define SYST_CLIENT /* System Type Client */	0x80000000
#define SYST_SERVER	0x00800000
/* System Type Server */ #define HOT START	0x80000000
/* Startup Mode Hotstart */	
#define WARM_START	0x40000000
/* Startup Mode Warmstart */	00.000000
<pre>#define COLD_START /* Startup Mode Coldstart */</pre>	0x20000000
#define POLL_PROFILE_REV_0	0x80000000
/* Poll Profile Revision */ #define P_OPT_DYN_CREATE_OBJECTS	0x4000000
/* option dynamic object creation */	00.000000
<pre>#define P_OPT_DYN_DELETE_OBJECTS /* option dynamic object deletion */</pre>	0x20000000
#define POLL_EXT_PERIOD_NU_1SEC /* 1 sec Real-time Numerics */	0x80000000
#define POLL_EXT_PERIOD_NU_AVG_12SEC /* 12 sec averaged Numerics */	0x4000000
<pre>#define POLL_EXT_PERIOD_NU_AVG_60SEC /* 1 min. averaged Numerics */</pre>	0x20000000
#define POLL_EXT_PERIOD_NU_AVG_300SEC /* 5 min. averaged Numerics */	0x10000000
#define POLL_EXT_PERIOD_RTSA	0x08000000
<pre>/* allow enumeration objects */ #define POLL_EXT_ENUM /* allow numeric priority list to be</pre>	0x04000000 set */
#define POLL_EXT_NU_PRIO_LIST	0x02000000
<pre>/* send timestamps for numerics with #define POLL_EXT_DYN_MODALITIES</pre>	<pre>dynamic modalities */ 0x01000000</pre>

Label Mapping Table

With IntelliVue release G the nomenclature of some numeric and wave labels have been changed. The labels that previously resided in the namespace NOM_EMFC mainly used by VueLink devices have been moved into the NOM_SCADA namespace partition and the new defined NOM_SETTING namespace partition.

If your want to integrate support for the new nomenclature definitions in your existing client application you have to accept both label ids.

To guide you trough the transition of the nomenclature changes introduced in release G, you may find the following table useful. The revision F label is given first followed by the new label. For further descriptions of the old labels see the Revision F of the Data Export Programmers Guide.

Label Definition	Label Id
NLS_NOM_EMFC_sAVDel NLS_NOM_SETT_APNEA_ALARM_DELAY	(0x040180CC) (0x0402F8D9)
NLS_NOM_EMFC_C20_PER_C	(0x04010E78)
NLS_NOM_C20_PER_C_INDEX	(0x0002F81A)
NLS_NOM_EMFC_Rf_V5	(0x0401075C)
NLS_NOM_ECG_AMPL_ST_BASELINE_V5	(0x0002F417)
NLS_NOM_EMFC_Urine	(0x04010BD8)
NLS_NOM_FLOW_URINE_PREV_24HR	(0x0002F883)
NLS_NOM_EMFC_PT NLS_NOM_TIME_PD_PT	(0x040105E4) (0x0002F18B)
NLS_NOM_EMFC_SerCa	(0x0401059C)
NLS_NOM_CONC_CA_SER	(0x0002F824)
NLS_NOM_EMFC_sBPA1	(0x0401A024)
NLS_NOM_SETT_PRESS_AL_ONOFF	(0x0402F8F7)
NLS_NOM_EMFC_SetTmp	(0x04010AD8)
NLS_NOM_TEMP_BODY	(0x00024B5C)
NLS_NOM_EMFC_sCO2Wm	(0x0401815C)
NLS_NOM_SETT_VENT_CO2_WARMING_MONITOR_ONOFF	(0x0402F915)
NLS_NOM_EMFC_sAPkFl	(0x04018030)
NLS_NOM_SETT_FLOW_AWAY_INSP_APNEA	(0x0402F8ED)
NLS_NOM_EMFC_SerGlc	(0x04010590)
NLS_NOM_CONC_GLU_SER	(0x0002F82A)
NLS_NOM_EMFC_RT_PCT_BE NLS_NOM_EEG_PWR_SPEC_BETA_REL_RIGHT	(0x04010810) (0x0002F860)
NLS_NOM_EMFC_T4	(0x04010414)
NLS_NOM_TEMP_GEN_4	(0x0002F0CA)
NLS_NOM_EMFC_GOT	(0x0401060C)
NLS_NOM_CONC_GOT	(0x0002F188)
NLS_NOM_EMFC_highO2	(0x0401A020)
NLS_NOM_SETT_VENT_CONC_AWAY_O2_LIMIT_HI	(0x0402F919)
NLS_NOM_EMFC_MCV	(0x040105D4)
NLS_NOM_VOL_CORP_MEAN	(0x0002F8C4)

NLS_NOM_EMFC_sEnTrg	(0x040180B4)
NLS_NOM_SETT_TRIG_ONOFF	(0x0402F90C)
NLS_NOM_EMFC_Plts	(0x040105D0)
NLS_NOM_PLTS_CNT	(0x0002F167)
NLS_NOM_EMFC_sLInPr	(0x04018100)
NLS_NOM_SETT_PRESS_AWAY_MIN	(0x040250F2)
NLS_NOM_EMFC_GGT	(0x04010608)
NLS_NOM_CONC_GGT	(0x0002F189)
NLS_NOM_EMFC_sAGTWm	(0x0401816C)
NLS_NOM_SETT_VENT_AGENT_WARMING_MONITOR_ONOFF	(0x0402F90D)
NLS_NOM_EMFC_sAPVhP	(0x0401807C)
NLS_NOM_SETT_VENT_PRESS_AWAY_MAX_PV_APNEA	(0x0402F931)
NLS_NOM_EMFC_sfgSEV	(0x040181AC)
NLS_NOM_SETT_CONC_AWAY_SEVOFL	(0x040251E4)
NLS_NOM_EMFC_highMV	(0x0401A02C)
NLS_NOM_SETT_VENT_VOL_MINUTE_AWAY_LIMIT_HI	(0x0402F94B)
NLS_NOM_EMFC_P6_MEAN NLS_NOM_PRESS_GEN_6_MEAN	(0x04010407) (0x0002F3FB)
NLS_NOM_EMFC_SpRR	(0x04010BF4)
NLS_NOM_RESP_RATE_SPONT	(0x0002F828)
NLS_NOM_EMFC_Sample	(0x04010AAC)
NLS_NOM_SETT_SAMPLE	(0x0402F956)
NLS_NOM_EMFC_CK_MM	(0x04010604)
NLS_NOM_CONC_CREA_KIN_MM	(0x0002F17F)
NLS_NOM_EMFC_sflas	(0x040181F8)
NLS_NOM_SETT_VENT_FLOW_AWAY_ASSIST	(0x0402F91C)
NLS_NOM_EMFC_RBC	(0x040105CC)
NLS_NOM_RB_CNT	(0x0002F169)
NLS_NOM_EMFC_TOF4	(0x04010DCC)
NLS_NOM_TRAIN_OF_FOUR_4	(0x0002F8AA)
NLS_NOM_EMFC_sSens	(0x04018188)
NLS_NOM_SETT_SENS_LEVEL	(0x0402F904)
NLS_NOM_EMFC_sSIMV	(0x04018118)
NLS_NOM_SETT_VENT_MODE_SYNC_MAND_INTERMIT	(0x0402F924)
NLS_NOM_EMFC_UrCa	(0x04010624)
NLS_NOM_CONC_CA_URINE	(0x0002F19C)
NLS_NOM_EMFC_vECG	(0x0401119C)
NLS_NOM_ELEC_POTL_VECT	(0x0002F874)
NLS_NOM_EMFC_PCO2_ADJ	(0x04010A7C)
NLS_NOM_CONC_PCO2_GEN_ADJ	(0x0002F834)
NLS_NOM_EMFC_BLANK	(0x04010960)
NLS_NOM_METRIC_NOS	(0x0002EFFF)
NLS_NOM_EMFC_spip	(0x040180FC)
NLS_NOM_SETT_PRESS_AWAY_INSP_MAX	(0x04025109)

NLS_NOM_EMFC_sALMRT	(0x040180F0)
NLS_NOM_SETT_VENT_TIME_PD_RAMP_AL	(0x0402F946)
NLS_NOM_EMFC_sfgO2	(0x040181B4)
NLS_NOM_SETT_FLOW_AWAY_O2	(0x0402F87F)
NLS_NOM_EMFC_UrNaEx	(0x040101B4)
NLS_NOM_CONC_NA_EXCR	(0x0002F830)
NLS_NOM_EMFC_P1_SYS	(0x04010031)
NLS_NOM_PRESS_GEN_1_SYS	(0x0002F0A5)
NLS_NOM_EMFC_LT_MPF	(0x040107F8)
NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_MEDIAN_LEFT	(0x0002F84B)
NLS_NOM_EMFC_extHR	(0x04010700)
NLS_NOM_CARD_BEAT_RATE_EXT	(0x0002F81B)
NLS_NOM_EMFC_TOF1	(0x04010DC0)
NLS_NOM_TRAIN_OF_FOUR_1	(0x0002F8A7)
NLS_NOM_EMFC_L_V4	(0x04010770)
NLS_NOM_ECG_ELEC_POTL_V4	(0x00020106)
NLS_NOM_EMFC_PPV	(0x040111E0)
NLS_NOM_PULS_PRESS_VAR	(0x0002F0E3)
NLS_NOM_EMFC_SO2_CALC	(0x04010A90)
NLS_NOM_SAT_O2_CALC	(0x0002F89C)
NLS_NOM_EMFC_TGL	(0x0401061C)
NLS_NOM_CONC_TGL	(0x0002F16F)
NLS_NOM_EMFC_P5	(0x04010400)
NLS_NOM_PRESS_GEN_5	(0x0002F3F4)
NLS_NOM_EMFC_PcCO2	(0x04010A78)
NLS_NOM_CONC_PCO2_CAP	(0x0002F159)
NLS_NOM_EMFC_Fe	(0x04010614)
NLS_NOM_CONC_FE_GEN	(0x0002F160)
NLS_NOM_EMFC_O2EI	(0x0401052C)
NLS_NOM_EXTRACT_O2_INDEX	(0x0002F875)
NLS_NOM_EMFC_sFIO2	(0x04018010)
NLS_NOM_SETT_VENT_CONC_AWAY_O2_INSP	(0x04027498)
NLS_NOM_EMFC_sAgent	(0x04018178)
NLS_NOM_SETT_CONC_AWAY_AGENT_TYPE	(0x0402F8E0)
NLS_NOM_EMFC_TFI	(0x040111A8)
NLS_NOM_VOL_FLUID_THORAC_INDEX	(0x0002F8C6)
NLS_NOM_EMFC_LT_AL	(0x040107E0)
NLS_NOM_EEG_PWR_SPEC_ALPHA_ABS_LEFT	(0x0002F855)
NLS_NOM_EMFC_Rf_aVF	(0x04010748)
NLS_NOM_ECG_AMPL_ST_BASELINE_AVF	(0x0002F450)
NLS_NOM_EMFC_RRmech	(0x04010850)
NLS_NOM_VENT_RESP_RATE	(0x00025022)
NLS_NOM_EMFC_ESR	(0x0401064C)

NLS_NOM_ES_RATE	(0x0002F17C)
NLS_NOM_EMFC_Rf_aVL	(0x04010744)
NLS_NOM_ECG_AMPL_ST_BASELINE_AVL	(0x0002F44F)
NLS_NOM_EMFC_BPAPPL	(0x040180BC)
NLS_NOM_SETT_VENT_PRESS_AWAY_BIPAP_LOW	(0x0402F92A)
NLS_NOM_EMFC_sO2Cal	(0x040180D8)
NLS_NOM_SETT_VENT_O2_CAL_MODE	(0x0402F926)
NLS_NOM_EMFC_aPTTWB	(0x04010E14)
NLS_NOM_TIME_PD_aPTT_WB	(0x0002F18D)
NLS_NOM_EMFC_HALLev	(0x0401087C)
NLS_NOM_VOL_LVL_LIQUID_BOTTLE_HALOTH	(0x0002F8CA)
NLS_NOM_EMFC_RT_PCT_DL	(0x04010814)
NLS_NOM_EEG_PWR_SPEC_DELTA_REL_RIGHT	(0x0002F868)
NLS_NOM_EMFC_Pat_T	(0x04010B54)
NLS_NOM_TEMP_BODY	(0x00024B5C)
NLS_NOM_EMFC_sEnSgh	(0x04018040)
NLS_NOM_SETT_VENT_MODE_SIGH	(0x0402F923)
NLS_NOM_EMFC_sPStat	(0x0401A028)
NLS_NOM_SETT_PUMP_STATUS	(0x0402F8FE)
NLS_NOM_EMFC_BSA_D	(0x04010440)
NLS_NOM_AREA_BODY_SURFACE_ACTUAL_DUBOIS	(0x0002F813)
NLS_NOM_EMFC_Field3	(0x04010AD0)
NLS_NOM_SETT_FIELD3	(0x0402F95B)
NLS_NOM_EMFC_VCO2ti	(0x040111C4)
NLS_NOM_FLOW_CO2_PROD_RESP_TIDAL	(0x0002F882)
NLS_NOM_EMFC_EDV	(0x04010534)
NLS_NOM_VOL_VENT_L_END_DIA	(0x00024C00)
NLS_NOM_EMFC_highTV	(0x0401A034)
NLS_NOM_SETT_VENT_VOL_TIDAL_LIMIT_HI	(0x0402F94D)
NLS_NOM_EMFC_PVcP	(0x0401046C)
NLS_NOM_VENT_PRESS_AWAY_PV	(0x0002F8BC)
NLS_NOM_EMFC_Tpat	(0x04010A38)
NLS_NOM_TEMP_BODY	(0x00024B5C)
NLS_NOM_EMFC_sRisTi	(0x04018284)
NLS_NOM_SETT_VENT_TIME_PD_RAMP	(0x0402F8BD)
NLS_NOM_EMFC_U_PER_SCr	(0x0401019C)
NLS_NOM_RATIO_CONC_URINE_CREA_SER	(0x0002F892)
NLS_NOM_EMFC_BSI	(0x04011198)
NLS_NOM_EEG_BURST_SUPPRN_INDEX	(0x0002F840)
NLS_NOM_EMFC_P4_SYS	(0x0401003D)
NLS_NOM_PRESS_GEN_4_SYS	(0x0002F0B1)
NLS_NOM_EMFC_sPin	(0x04018128)
NLS_NOM_SETT_PRESS_AWAY_INSP	(0x04025108)

NLS_NOM_EMFC_BE_B_CALC	(0x04010AC0)
NLS_NOM_BASE_EXCESS_BLD_ART_CALC	(0x0002F817)
NLS_NOM_EMFC_i_eAGT NLS_NOM_VENT_CONC_AWAY_AGENT_DELTA	(0x040106A0) (0x0002F8B2)
NLS_NOM_EMFC_UrDens	(0x04010BC0)
NLS_NOM_FLUID_DENS_URINE	(0x0002F19D)
NLS_NOM_EMFC_U_PER_Cre_CALC NLS_NOM_RATIO_CONC_URINE_CREA_CALC	(0x04010AE4) (0x0002F891)
NLS_NOM_EMFC_TVex	(0x040106B4)
NLS_NOM_VOL_AWAY_EXP_TIDAL	(0x0002F0E1)
NLS_NOM_EMFC_MCH NLS_NOM_HB_CORP_MEAN	(0x040105D8) (0x0002F885)
NLS_NOM_EMFC_Cartrg	(0x04010AB0)
NLS_NOM_SETT_CARTRG	(0x0402F957)
NLS_NOM_EMFC_SaO2	(0x04010548)
NLS_NOM_SAT_O2_ART	(0x00024B34)
NLS_NOM_EMFC_P8_DIA	(0x0401040E)
NLS_NOM_PRESS_GEN_8_DIA	(0x0002F402)
NLS_NOM_EMFC_SO2_r	(0x040111B8)
NLS_NOM_SAT_O2_RIGHT	(0x0002F89E)
NLS_NOM_EMFC_RT_MDF	(0x04010830)
NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN_RIGHT	(0x0002F84A)
NLS_NOM_EMFC_Lact	(0x04010AE8)
NLS_NOM_CONC_LACT	(0x0002F174)
NLS_NOM_EMFC_GasCar	(0x040181DC)
NLS_NOM_SETT_VENT_GAS_CARRIER	(0x0402F91F)
NLS_NOM_EMFC_sVolAl	(0x04018158)
NLS_NOM_SETT_VENT_VOL_AWAY_AL_ONOFF	(0x0402F947)
NLS_NOM_EMFC_dBili	(0x04010598)
NLS_NOM_CONC_BILI_DIRECT	(0x0002F17A)
NLS_NOM_EMFC_fgAGT	(0x04010520)
NLS_NOM_FLOW_AWAY_AGENT	(0x0002F876)
NLS_NOM_EMFC_sTrig	(0x04018014)
NLS_NOM_SETT_TRIG_LEVEL	(0x00000000)
NLS_NOM_EMFC_sVmax	(0x04018150)
NLS_NOM_SETT_VENT_VOL_LIMIT_AL_HI_ONOFF	(0x0402F949)
NLS_NOM_EMFC_P3 NLS_NOM_PRESS_GEN_3	(0x04010038) (0x0002F0AC)
NLS_NOM_EMFC_BagVol	(0x04010CFC)
NLS_NOM_VOL_URINE_COL	(0x00026830)
NLS_NOM_EMFC_PvO2_ADJ	(0x04010A68)
NLS_NOM_CONC_PO2_VEN_ADJ	(0x0002F83E)
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NLS_NOM_EMFC_BP_SYS	(0x04010889)
NLS_NOM_PRESS_BLD_SYS	(0x00024A01)
NLS_NOM_EMFC_P7_DIA	(0x0401040A)
NLS_NOM_PRESS_GEN_7_DIA	(0x0002F3FE)
NLS_NOM_EMFC_liPVAT	(0x0401A010)
NLS_NOM_SETT_APNEA_ALARM_DELAY_PV	(0x0402F8DA)
NLS_NOM_EMFC_T1	(0x04010064)
NLS_NOM_TEMP_GEN_1	(0x0002F0C7)
NLS_NOM_EMFC_CH2O	(0x04010118)
NLS_NOM_FREE_WATER_CLR	(0x0002F884)
NLS_NOM_EMFC_r	(0x04010E80)
NLS_NOM_AWAY_CORR_COEF	(0x0002F814)
NLS_NOM_EMFC_RC	(0x04010644)
NLS_NOM_RET_CNT	(0x0002F16A)
NLS_NOM_EMFC_SpAWRR	(0x04010510)
NLS_NOM_AWAY_RESP_RATE_SPONT	(0x0002F815)
NLS_NOM_EMFC_sMV	(0x040180B0)
NLS_NOM_SETT_VOL_MINUTE_AWAY	(0x04025148)
NLS_NOM_EMFC_sPincR	(0x0401814C)
NLS_NOM_SETT_VENT_AWAY_PRESS_RATE_INCREASE	(0x0402F912)
NLS_NOM_EMFC_MCHC NLS_NOM_CONC_HB_CORP_MEAN	(0x040105DC) (0x0002F82C)
NLS_NOM_EMFC_CHE	(0x040105F8)
NLS_NOM_CONC_CHE	(0x0002F182)
NLS_NOM_EMFC_P4	(0x0401003C)
NLS_NOM_PRESS_GEN_4	(0x0002F0B0)
NLS_NOM_EMFC_WBC	(0x040105C8)
NLS_NOM_WB_CNT	(0x0002F168)
NLS_NOM_EMFC_TOFcnt	(0x04010DAC)
NLS_NOM_TRAIN_OF_FOUR_CNT	(0x0002F8AB)
NLS_NOM_EMFC_HGB_CALC	(0x04010A34)
NLS_NOM_CONC_HB_ART_CALC	(0x0002F82B)
NLS_NOM_EMFC_CO_Hb	(0x04010628)
NLS_NOM_CONC_HB_CO_GEN	(0x00027180)
NLS_NOM_EMFC_GEF	(0x040111E4)
NLS_NOM_FRACT_EJECT	(0x0002F105)
NLS_NOM_EMFC_SEXPTi	(0x040180E8)
NLS_NOM_SETT_VENT_TIME_PD_EXP	(0x0402F93F)
NLS_NOM_EMFC_sfgFl	(0x040181B8)
NLS_NOM_SETT_FLOW_AWAY_TOT	(0x0402F881)
NLS_NOM_EMFC_SerGlo	(0x040105BC)
NLS_NOM_CONC_GLO_SER	(0x0002F829)
NLS_NOM_EMFC_AnGap_CALC	(0x04010AA8)

NLS_NOM_CONC_AN_GAP_CALC	(0x0002F1A1)
NLS_NOM_EMFC_cktO2	(0x040106A8)
NLS_NOM_VENT_CONC_AWAY_O2_CIRCUIT	(0x0002F8B8)
NLS_NOM_EMFC_IUP_SYS	(0x04010055)
NLS_NOM_PRESS_INTRA_UTERAL_SYS	(0x0002F0D9)
NLS_NOM_EMFC_Field2	(0x04010ACC)
NLS_NOM_SETT_FIELD2	(0x0402F95A)
NLS_NOM_EMFC_AWV	(0x04010668)
NLS_NOM_VOL_AWAY	(0x0002F0DF)
NLS_NOM_EMFC_P3_MEAN	(0x0401003B)
NLS_NOM_PRESS_GEN_3_MEAN	(0x0002F0AF)
NLS_NOM_EMFC_BagWgt	(0x04010BB8)
NLS_NOM_WEIGHT_URINE_COL	(0x0002F8D3)
NLS_NOM_EMFC_O2_MANUAL	(0x04010AD4)
NLS_NOM_CONC_AWAY_O2	(0x00025164)
NLS_NOM_EMFC_i_eISO	(0x04010694)
NLS_NOM_VENT_CONC_AWAY_ISOFL_DELTA	(0x0002F8B6)
NLS_NOM_EMFC_P6_DIA	(0x04010406)
NLS_NOM_PRESS_GEN_6_DIA	(0x0002F3FA)
NLS_NOM_EMFC_iCa_N_CALC NLS_NOM_CONC_CA_GEN_NORM_CALC	(0x04011114) (0x0002F823)
NLS_NOM_EMFC_BEecf_CALC	(0x04010AA4)
NLS_NOM_CONC_BASE_EXCESS_ECF_CALC	(0x0002F821)
NLS_NOM_EMFC_SATV	(0x04018028)
NLS_NOM_SETT_VOL_AWAY_TIDAL_APNEA	(0x0402F951)
NLS_NOM_EMFC_pH_ADJ	(0x04010A48)
NLS_NOM_CONC_PH_GEN_ADJ	(0x0002F838)
NLS_NOM_EMFC_P2_DIA	(0x04010036)
NLS_NOM_PRESS_GEN_2_DIA	(0x0002F0AA)
NLS_NOM_EMFC_sSghNr	(0x04018024)
NLS_NOM_SETT_VENT_SIGH_MULT_RATE	(0x0402F93B)
NLS_NOM_EMFC_RT_TH	(0x04010828)
NLS_NOM_EEG_PWR_SPEC_THETA_ABS_RIGHT	(0x0002F86A)
NLS_NOM_EMFC_sfmax	(0x0401820C)
NLS_NOM_SETT_VENT_RESP_RATE_LIMIT_HI_PANT	(0x0402F937)
NLS_NOM_EMFC_UrGlc	(0x04010594)
NLS_NOM_CONC_GLU_URINE	(0x0002F19F)
NLS_NOM_EMFC_PTTrat	(0x04010E1C)
NLS_NOM_RATIO_TIME_PD_PTT	(0x0002F896)
NLS_NOM_EMFC_sfgHAL	(0x040181A4)
NLS_NOM_SETT_CONC_AWAY_HALOTH	(0x040251E0)
NLS_NOM_EMFC_sAPVI	(0x0401808C)
NLS_NOM_SETT_RATIO_IE_INSP_PV_APNEA	(0x0402F903)

NLS_NOM_EMFC_PO2_ADJ	(0x04010A60)
NLS_NOM_CONC_PO2_GEN_ADJ	(0x0002F83D)
NLS_NOM_EMFC_PcO2	(0x04010A5C)
NLS_NOM_CONC_PO2_CAP	(0x0002F15A)
NLS_NOM_EMFC_SerCl	(0x040105B0)
NLS_NOM_CONC_CHLOR_SER	(0x0002F15F)
NLS_NOM_EMFC_UrVol	(0x040101BC)
NLS_NOM_VOL_URINE_BAL_PD	(0x00026824)
NLS_NOM_EMFC_BP_DIA	(0x0401088A)
NLS_NOM_PRESS_BLD_DIA	(0x00024A02)
NLS_NOM_EMFC_L_II NLS_NOM_ECG_ELEC_POTL_II	(0x04010780) (0x00020102)
NLS_NOM_EMFC_DET NLS_NOM_SETT_TEMP	(0x04010B60) (0x04024B48)
NLS_NOM_EMFC_SerK	(0x040105AC)
NLS_NOM_CONC_K_SER	(0x0002F82F)
NLS_NOM_EMFC_FeNa	(0x0401012C)
NLS_NOM_FRACT_EXCR_NA	(0x0002F194)
NLS_NOM_EMFC_sPmax	(0x040180E0)
NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_MAX	(0x0402F8BB)
NLS_NOM_EMFC_BPAPTL	(0x040180C4)
NLS_NOM_SETT_VENT_TIME_PD_BIPAP_LOW	(0x0402F93E)
NLS_NOM_EMFC_PT_WB	(0x04010E20)
NLS_NOM_TIME_PD_PT_WB	(0x0002F18F)
NLS_NOM_EMFC_sCircl	(0x040181C8)
NLS_NOM_SETT_VENT_CIRCUIT_TYPE	(0x0402F913)
NLS_NOM_EMFC_LSCALE	(0x04010808)
NLS_NOM_EEG_ELEC_POTL_CRTX_GAIN_LEFT	(0x0002F841)
NLS_NOM_EMFC_AccVol	(0x04010680)
NLS_NOM_VOL_INFUS_ACTUAL_TOTAL	(0x000268FC)
NLS_NOM_EMFC_sBkgFl	(0x04018190)
NLS_NOM_SETT_VENT_AWAY_FLOW_BACKGROUND	(0x0402F90F)
NLS_NOM_EMFC_RT_DL	(0x04010824)
NLS_NOM_EEG_PWR_SPEC_DELTA_ABS_RIGHT	(0x0002F864)
NLS_NOM_EMFC_fgdES	(0x04010854)
NLS_NOM_FLOW_AWAY_DESFL	(0x0002F878)
NLS_NOM_EMFC_SerMg	(0x040105A4)
NLS_NOM_CONC_MG_SER	(0x0002F15C)
NLS_NOM_EMFC_AWVex	(0x04010794)
NLS_NOM_VOL_AWAY_EXP	(0x0002F8C1)
NLS_NOM_EMFC_sPltTi	(0x04018018)
NLS_NOM_SETT_TIME_PD_RESP_PLAT	(0x0402F0FF)
NLS_NOM_EMFC_RT_BE NLS NOM EEG PWR SPEC BETA ABS RIGHT	(0x04010820)

NLS_NOM_EMFC_UrpH NLS_NOM_CONC_PH_URINE	(0x04010584) (0x00027064)
NLS_NOM_EMFC_T1_T2 NLS_NOM_TEMP_DIFF	(0x040100AC) (0x0002E018)
NLS_NOM_EMFC_Patm NLS_NOM_PRESS_AIR_AMBIENT	(0x040106AC) (0x0002F06B)
NLS_NOM_EMFC_sPVcP NLS_NOM_SETT_PRESS_AWAY_INSP	(0x04018064) (0x04025108)
NLS_NOM_EMFC_SARR NLS_NOM_SETT_AWAY_RESP_RATE_APNEA	(0x0401802C) (0x0402F8DE)
NLS_NOM_EMFC_BUN_PER_cr NLS_NOM_RATIO_BUN_CREA	(0x04010110) (0x0002F88F)
NLS_NOM_EMFC_SerPro NLS_NOM_CONC_PROT_SER	(0x040105C0) (0x0002F178)
NLS_NOM_EMFC_HbF NLS_NOM_CONC_HB_FETAL	(0x0401062C) (0x0002F165)
NLS_NOM_EMFC_i_eDES NLS_NOM_VENT_CONC_AWAY_DESFL_DELTA	(0x0401069C) (0x0002F8B3)
NLS_NOM_EMFC_T2 NLS_NOM_TEMP_GEN_2	(0x04010068) (0x0002F0C8)
NLS_NOM_EMFC_lopeep NLS_NOM_VENT_PRESS_AWAY_END_EXP_POS_LIMIT_LO	(0x0401A004) (0x0002F8BA)
NLS_NOM_EMFC_TFC NLS_NOM_VOL_FLUID_THORAC	(0x040111A4) (0x0002F8C5)
	(0000021003)
NLS_NOM_EMFC_Length NLS_NOM_BIRTH_LENGTH	(0x04010420) (0x0002F818)
NLS_NOM_EMFC_Length	(0x04010420)
NLS_NOM_EMFC_Length NLS_NOM_BIRTH_LENGTH NLS_NOM_EMFC_sfgISO	(0x04010420) (0x0002F818) (0x0401819C)
NLS_NOM_EMFC_Length NLS_NOM_BIRTH_LENGTH NLS_NOM_EMFC_sfgISO NLS_NOM_SETT_CONC_AWAY_ISOFL NLS_NOM_EMFC_i_eSEV	(0x04010420) (0x0002F818) (0x0401819C) (0x040251E8) (0x04010698)
NLS_NOM_EMFC_Length NLS_NOM_EMFC_sfgISO NLS_NOM_EMFC_sfgISO NLS_NOM_SETT_CONC_AWAY_ISOFL NLS_NOM_EMFC_i_eSEV NLS_NOM_VENT_CONC_AWAY_SEVOFL_DELTA NLS_NOM_EMFC_RVrat	(0x04010420) (0x0002F818) (0x0401819C) (0x040251E8) (0x04010698) (0x0002F8B9)
NLS_NOM_EMFC_Length NLS_NOM_EMFC_sfgISO NLS_NOM_EMFC_sfgISO NLS_NOM_SETT_CONC_AWAY_ISOFL NLS_NOM_EMFC_i_eSEV NLS_NOM_VENT_CONC_AWAY_SEVOFL_DELTA NLS_NOM_EMFC_RVrat NLS_NOM_EMFC_RVrat NLS_NOM_RATIO_AWAY_RATE_VOL_AWAY NLS_NOM_EMFC_FIO2_MANUAL	(0x04010420) (0x0002F818) (0x0401819C) (0x040251E8) (0x04010698) (0x0002F8B9) (0x04010E84) (0x0002F88E)
NLS_NOM_EMFC_Length NLS_NOM_BIRTH_LENGTH NLS_NOM_EMFC_sfgISO NLS_NOM_SETT_CONC_AWAY_ISOFL NLS_NOM_EMFC_i_eSEV NLS_NOM_VENT_CONC_AWAY_SEVOFL_DELTA NLS_NOM_EMFC_RVrat NLS_NOM_EMFC_RVrat NLS_NOM_RATIO_AWAY_RATE_VOL_AWAY NLS_NOM_EMFC_FIO2_MANUAL NLS_NOM_VENT_CONC_AWAY_O2_INSP NLS_NOM_EMFC_tCO2	(0x04010420) (0x0002F818) (0x0401819C) (0x040251E8) (0x04010698) (0x0002F8B9) (0x04010E84) (0x0002F88E) (0x04010ABC) (0x00027498) (0x04010588)
NLS_NOM_EMFC_Length NLS_NOM_BIRTH_LENGTH NLS_NOM_EMFC_sfgISO NLS_NOM_SETT_CONC_AWAY_ISOFL NLS_NOM_EMFC_i_eSEV NLS_NOM_VENT_CONC_AWAY_SEVOFL_DELTA NLS_NOM_EMFC_RVrat NLS_NOM_EMFC_RVrat NLS_NOM_RATIO_AWAY_RATE_VOL_AWAY NLS_NOM_EMFC_FIO2_MANUAL NLS_NOM_VENT_CONC_AWAY_O2_INSP NLS_NOM_EMFC_tCO2 NLS_NOM_EMFC_tCO2 NLS_NOM_CONC_CO2_TOT NLS_NOM_EMFC_SVOlas	(0x04010420) (0x0002F818) (0x0401819C) (0x040251E8) (0x04010698) (0x0002F8B9) (0x04010E84) (0x0002F88E) (0x04010ABC) (0x00027498) (0x04010588) (0x04010588) (0x04010588) (0x04010588)
NLS_NOM_EMFC_Length NLS_NOM_BIRTH_LENGTH NLS_NOM_EMFC_sfgISO NLS_NOM_SETT_CONC_AWAY_ISOFL NLS_NOM_EMFC_i_eSEV NLS_NOM_VENT_CONC_AWAY_SEVOFL_DELTA NLS_NOM_EMFC_RVrat NLS_NOM_RATIO_AWAY_RATE_VOL_AWAY NLS_NOM_EMFC_FIO2_MANUAL NLS_NOM_VENT_CONC_AWAY_O2_INSP NLS_NOM_EMFC_tCO2 NLS_NOM_EMFC_tCO2 NLS_NOM_CONC_CO2_TOT NLS_NOM_EMFC_SVolas NLS_NOM_EMFC_SVolas NLS_NOM_SETT_VENT_VOL_AWAY_ASSIST NLS_NOM_EMFC_REF	(0x04010420) (0x0002F818) (0x0401819C) (0x040251E8) (0x04010698) (0x0002F8B9) (0x04010E84) (0x0002F88E) (0x04010ABC) (0x00027498) (0x04010588) (0x04010588) (0x04010588) (0x04010530)

NLS_NOM_SETT_VENT_VOL_TIDAL_SIGH	(0x0402F8C0)
NLS_NOM_EMFC_RemTi	(0x04010DBC)
NLS_NOM_TIME_PD_EVOK_REMAIN	(0x0002F8A0)
NLS_NOM_EMFC_RT_EEG	(0x0401082C)
NLS_NOM_EEG_ELEC_POTL_CRTX_RIGHT	(0x0002F846)
NLS_NOM_EMFC_TT NLS_NOM_TIME_PD_THROMBIN	(0x040105E8) (0x0002F191)
NLS_NOM_EMFC_inPkFl	(0x04010674)
NLS_NOM_FLOW_AWAY_INSP_MAX	(0x000250DD)
NLS_NOM_EMFC_PaCO2_ADJ	(0x04010A80)
NLS_NOM_CONC_PCO2_ART_ADJ	(0x0002F832)
NLS_NOM_EMFC_sMMV	(0x0401811C)
NLS_NOM_SETT_VENT_VOL_MINUTE_AWAY_MAND	(0x040251CC)
NLS_NOM_EMFC_RT_PCT_TH NLS_NOM_EEG_PWR_SPEC_THETA_REL_RIGHT	(0x04010818) (0x0002F86E)
NLS_NOM_EMFC_sPVE	(0x04018088)
NLS_NOM_SETT_RATIO_IE_EXP_PV	(0x0402F900)
NLS_NOM_EMFC_LT_BE	(0x040107E4)
NLS_NOM_EEG_PWR_SPEC_BETA_ABS_LEFT	(0x0002F85B)
NLS_NOM_EMFC_sAADel	(0x0401813C)
NLS_NOM_SETT_APNEA_ALARM_DELAY	(0x0402F8D9)
NLS_NOM_EMFC_aPTTPE	(0x04010E18)
NLS_NOM_TIME_PD_aPTT_PE	(0x0002F18E)
NLS_NOM_EMFC_sIPPV	(0x040180A0)
NLS_NOM_SETT_VENT_RESP_RATE_MODE_PPV_INTERMIT_PAP	(0x0402F939)
NLS_NOM_EMFC_P2_MEAN	(0x04010037)
NLS_NOM_PRESS_GEN_2_MEAN	(0x0002F0AB)
NLS_NOM_EMFC_iCa_N	(0x04010E88)
NLS_NOM_CONC_CA_GEN_NORM	(0x0002F822)
NLS_NOM_EMFC_sO2Mon	(0x040180D4)
NLS_NOM_SETT_VENT_ANALY_CONC_GAS_O2_MODE	(0x0402F90E)
NLS_NOM_EMFC_P6_SYS	(0x04010405)
NLS_NOM_PRESS_GEN_6_SYS	(0x0002F3F9)
NLS_NOM_EMFC_DESLev	(0x04010880)
NLS_NOM_VOL_LVL_LIQUID_BOTTLE_DESFL	(0x0002F8C8)
NLS_NOM_EMFC_U_PER_POsm	(0x04010198)
NLS_NOM_RATIO_URINE_SER_OSM	(0x0002F898)
NLS_NOM_EMFC_RT_TP	(0x04010840)
NLS_NOM_EEG_PWR_SPEC_TOT_RIGHT	(0x0002F872)
NLS_NOM_EMFC_NsLoss	(0x040101D4)
NLS_NOM_NSLOSS	(0x0002F16D)
NLS_NOM_EMFC_lowMV	(0x0401A018)
NLS_NOM_SETT_VENT_VOL_MINUTE_AWAY_LIMIT_LO	(0x0402F94C)

NLS_NOM_EMFC_PTC	(0x04010DB8)
NLS_NOM_PTC_CNT	(0x0002F88B)
NLS_NOM_EMFC_SCMV	(0x04018114)
NLS_NOM_SETT_VENT_MODE_MAND_CTS_ONOFF	(0x0402F922)
NLS_NOM_EMFC_BP NLS_NOM_PRESS_BLD	(0x04010888) (0x00024A00)
NLS_NOM_EMFC_sChrge	(0x04018200)
NLS_NOM_SETT_EVOK_CHARGE	(0x0402F8E6)
NLS_NOM_EMFC_ESV	(0x04010538)
NLS_NOM_VOL_VENT_L_END_SYS	(0x00024C04)
NLS_NOM_EMFC_sneblr	(0x04018044)
NLS_NOM_SETT_VENT_NEBULIZER_MODE	(0x0402F925)
NLS_NOM_EMFC_L_III NLS_NOM_ECG_ELEC_POTL_III	(0x04010784) (0x0002013D)
NLS_NOM_EMFC_i_eENF	(0x04010690)
NLS_NOM_VENT_CONC_AWAY_ENFL_DELTA	(0x0002F8B4)
NLS_NOM_EMFC_EDVI	(0x0401053C)
NLS_NOM_VOL_VENT_L_END_DIA_INDEX	(0x0002F8D0)
NLS_NOM_EMFC_RSBI	(0x04010EA0)
NLS_NOM_BREATH_RAPID_SHALLOW_INDEX	(0x0002F819)
NLS_NOM_EMFC_UrKEX	(0x040101A8)
NLS_NOM_CONC_K_URINE_EXCR	(0x0002F198)
NLS_NOM_EMFC_Twitch	(0x04010DB4)
NLS_NOM_TWITCH_AMPL	(0x0002F8AC)
NLS_NOM_EMFC_IUP_MEAN NLS_NOM_PRESS_INTRA_UTERAL_MEAN	(0x04010057) (0x0002F0DB)
NLS_NOM_EMFC_SerCK	(0x040105FC)
NLS_NOM_CONC_CREA_KIN_SER	(0x0002F180)
NLS_NOM_EMFC_alphaA	(0x040105F4)
NLS_NOM_CONC_ALPHA_AMYLASE	(0x0002F186)
NLS_NOM_EMFC_PT_PE NLS_NOM_TIME_PD_PT_PE	(0x04010E24) (0x0002F190)
NLS_NOM_EMFC_EXPTi	(0x0401066C)
NLS_NOM_TIME_PD_EXP	(0x0002F8A1)
NLS_NOM_EMFC_sPtCat	(0x04018164)
NLS_NOM_SETT_PAT_TYPE	(0x0402F8F6)
NLS_NOM_EMFC_fgENF	(0x04010860)
NLS_NOM_FLOW_AWAY_ENFL	(0x0002F879)
NLS_NOM_EMFC_tBili	(0x0401058C)
NLS_NOM_CONC_BILI_TOT	(0x0002F177)
NLS_NOM_EMFC_UrUrea	(0x04010580)
NLS_NOM_CONC_UREA_URINE	(0x0002F195)
NLS_NOM_EMFC_L_aVR	(0x04010788)
NLS_NOM_ECG_ELEC_POTL_AVR	(0x0002013E)

NLS_NOM_EMFC_P2 NLS_NOM_PRESS_GEN_2	(0x04010034) (0x0002F0A8)
NLS_NOM_EMFC_LDH	(0x04010638)
NLS_NOM_CONC_LDH	(0x0002F17B)
NLS_NOM_EMFC_sTrVol	(0x04018138)
NLS_NOM_SETT_VENT_VOL_LUNG_TRAPD	(0x040251B8)
NLS_NOM_EMFC_tProt	(0x04010634)
NLS_NOM_CONC_PROT_TOT	(0x0002F179)
NLS_NOM_EMFC_sOxiAl	(0x04018168)
NLS_NOM_SETT_PULS_OXIM_SAT_O2_AL_ONOFF	(0x0402F8FD)
NLS_NOM_EMFC_B_PER_Cre_CALC NLS_NOM_RATIO_CONC_BLD_UREA_NITROGEN_CREA_CALC	(0x04010AE0) (0x0002F890)
NLS_NOM_EMFC_HFMVin	(0x040106D8)
NLS_NOM_VOL_MINUTE_AWAY_INSP_HFV	(0x0002F8CD)
NLS_NOM_EMFC_sTlow	(0x040181E4)
NLS_NOM_SETT_VENT_TIME_PD_EXP_APRV	(0x0402F940)
NLS_NOM_EMFC_TOF2	(0x04010DC4)
NLS_NOM_TRAIN_OF_FOUR_2	(0x0002F8A8)
NLS_NOM_EMFC_Rf_III	(0x0401073C)
NLS_NOM_ECG_AMPL_ST_BASELINE_III	(0x0002F44D)
NLS_NOM_EMFC_sGasPr	(0x040181C0)
NLS_NOM_SETT_VENT_GAS_PROBE_POSN	(0x0402F920)
NLS_NOM_EMFC_Met_Hb NLS_NOM_CONC_HB_MET_GEN	(0x04010630) (0x0002717C)
NLS_NOM_EMFC_P7_SYS	(0x04010409)
NLS_NOM_PRESS_GEN_7_SYS	(0x0002F3FD)
NLS_NOM_EMFC_L_V5	(0x04010774)
NLS_NOM_ECG_ELEC_POTL_V5	(0x00020107)
NLS_NOM_EMFC_T3	(0x04010410)
NLS_NOM_TEMP_GEN_3	(0x0002F0C9)
NLS_NOM_EMFC_AGTS	(0x04010CE4)
NLS_NOM_CONC_AWAY_AGENT_SEC	(0x0002F820)
NLS_NOM_EMFC_sPVinT	(0x04018068)
NLS_NOM_SETT_VENT_TIME_PD_INSP_PV	(0x0402F943)
NLS_NOM_EMFC_PatID	(0x04010B68)
NLS_NOM_PAT_ID	(0x0002F88A)
NLS_NOM_EMFC_Rf_V2	(0x04010750)
NLS_NOM_ECG_AMPL_ST_BASELINE_V2	(0x0002F414)
NLS_NOM_EMFC_Model	(0x04018110)
NLS_NOM_ID_MODEL	(0x0002F887)
NLS_NOM_EMFC_MinAwP	(0x0401050C)
NLS_NOM_PRESS_AWAY_MIN	(0x000250F2)
NLS_NOM_EMFC_LT_DL	(0x040107E8)

NLS_NOM_EEG_PWR_SPEC_DELTA_ABS_LEFT	(0x0002F863)
NLS_NOM_EMFC_tSerCa	(0x040105A0)
NLS_NOM_CONC_tCA_SER	(0x0002F15D)
NLS_NOM_EMFC_ScO2_CALC	(0x04010A9C)
NLS_NOM_SAT_O2_CAP_CALC	(0x0002F1A0)
NLS_NOM_EMFC_ECTOP	(0x04010090)
NLS_NOM_ECG_STAT_ECT	(0x0002D006)
NLS_NOM_EMFC_sFlCal	(0x04018154)
NLS_NOM_SETT_FLOW_CAL_MODE	(0x0402F8F1)
NLS_NOM_EMFC_L_V3	(0x0401076C)
NLS_NOM_ECG_ELEC_POTL_V3	(0x00020105)
NLS_NOM_EMFC_RHYTHM	(0x0401008C)
NLS_NOM_ECG_STAT_RHY	(0x0002D007)
NLS_NOM_EMFC_ACI	(0x040111AC)
NLS_NOM_OUTPUT_CARD_INDEX_ACCEL	(0x0002F889)
NLS_NOM_EMFC_P7_MEAN	(0x0401040B)
NLS_NOM_PRESS_GEN_7_MEAN	(0x0002F3FF)
NLS_NOM_EMFC_SIMV	(0x040180A4)
NLS_NOM_SETT_VENT_RESP_RATE_MODE_MAND_INTERMITT	(0x0402F938)
NLS_NOM_EMFC_SerAlb	(0x040105B4)
NLS_NOM_CONC_ALB_SER	(0x0002F163)
NLS_NOM_EMFC_Pmin	(0x0401067C)
NLS_NOM_PRESS_AWAY_MIN	(0x000250F2)
NLS_NOM_EMFC_pHa_ADJ	(0x04010A4C)
NLS_NOM_CONC_PH_ART_ADJ	(0x0002F836)
NLS_NOM_EMFC_SHFVRR	(0x04018108)
NLS_NOM_SETT_AWAY_RESP_RATE_HFV	(0x0402F8DF)
NLS_NOM_EMFC_sPWave	(0x0401803C)
NLS_NOM_SETT_AWAY_PRESS_PATTERN	(0x0402F8DC)
NLS_NOM_EMFC_sfgAGT	(0x04018198)
NLS_NOM_SETT_FLOW_AWAY_AGENT	(0x0402F876)
NLS_NOM_EMFC_BPAPPH	(0x040180C0)
NLS_NOM_SETT_VENT_PRESS_AWAY_BIPAP_HIGH	(0x0402F929)
NLS_NOM_EMFC_SAFIO2	(0x04018034)
NLS_NOM_SETT_VENT_CONC_AWAY_O2_INSP_APNEA	(0x0402F917)
NLS_NOM_EMFC_P6 NLS_NOM_PRESS_GEN_6	(0x04010404) (0x0002F3F8)
NLS_NOM_EMFC_PTrat	(0x04010E28)
NLS_NOM_RATIO_TIME_PD_PT	(0x0002F895)
NLS_NOM_EMFC_IUP_DIA	(0x04010056)
NLS_NOM_PRESS_INTRA_UTERAL_DIA	(0x0002F0DA)
NLS_NOM_EMFC_TVin	(0x040106B0)
NLS_NOM_VOL_AWAY_INSP_TIDAL	(0x0002F0E0)

NLS_NOM_EMFC_PtVent	(0x04010BDC)
NLS_NOM_VENT_ACTIVE	(0x0002F8B0)
NLS_NOM_EMFC_LT_PCT_AL	(0x040107D0)
NLS_NOM_EEG_PWR_SPEC_ALPHA_REL_LEFT	(0x0002F859)
NLS_NOM_EMFC_Rdyn	(0x04010480)
NLS_NOM_RES_AWAY_DYN	(0x0002F899)
NLS_NOM_EMFC_sVMode	(0x04018000)
NLS_NOM_SETT_VENT_MODE	(0x0402F921)
NLS_NOM_EMFC_etAGTs	(0x04010CF0)
NLS_NOM_CONC_AWAY_AGENT_ET_SEC	(0x0002F81E)
NLS_NOM_EMFC_pHv_ADJ	(0x04010A50)
NLS_NOM_CONC_PH_VEN_ADJ	(0x0002F839)
NLS_NOM_EMFC_sHum	(0x04018288)
NLS_NOM_SETT_HUMID	(0x0402F103)
NLS_NOM_EMFC_highP	(0x0401A000)
NLS_NOM_SETT_VENT_PRESS_AWAY_LIMIT_HI	(0x0402F930)
NLS_NOM_EMFC_LT_TP	(0x04010804)
NLS_NOM_EEG_PWR_SPEC_TOT_LEFT	(0x0002F871)
NLS_NOM_EMFC_SCreat	(0x04010180)
NLS_NOM_CONC_CREA_SER	(0x0002F827)
NLS_NOM_EMFC_sExpF1	(0x04018134)
NLS_NOM_SETT_FLOW_AWAY_EXP	(0x0402F8EA)
NLS_NOM_EMFC_HFVTV	(0x040106E8)
NLS_NOM_VENT_VOL_TIDAL_HFV	(0x0002F8BF)
NLS_NOM_EMFC_UrCl	(0x040105B8)
NLS_NOM_CONC_CHLOR_URINE	(0x0002F19A)
NLS_NOM_EMFC_fgSEV	(0x04010858)
NLS_NOM_FLOW_AWAY_SEVOFL	(0x0002F880)
NLS_NOM_EMFC_sPlow	(0x040181EC)
NLS_NOM_SETT_VENT_PRESS_AWAY_EXP_APRV	(0x0402F92D)
NLS_NOM_EMFC_LT_PCT_DL	(0x040107D8)
NLS_NOM_EEG_PWR_SPEC_DELTA_REL_LEFT	(0x0002F867)
NLS_NOM_EMFC_Turine	(0x04010BC4)
NLS_NOM_TEMP_VESICAL	(0x0002F0C4)
NLS_NOM_EMFC_Rf_V1	(0x0401074C)
NLS_NOM_ECG_AMPL_ST_BASELINE_V1	(0x0002F413)
NLS_NOM_EMFC_ENFLev	(0x04010878)
NLS_NOM_VOL_LVL_LIQUID_BOTTLE_ENFL	(0x0002F8C9)
NLS_NOM_EMFC_liATi	(0x0401A00C)
NLS_NOM_SETT_APNEA_ALARM_DELAY	(0x0402F8D9)
NLS NOM EMFC fgHAL	
NLS_NOM_FLOW_AWAY_HALOTH	(0x0401085C) (0x0002F87B)

NLS_NOM_EMFC_sInsTi	(0x040180E4)
NLS_NOM_SETT_VENT_TIME_PD_INSP	(0x0402F941)
NLS_NOM_EMFC_sThigh	(0x040181E8)
NLS_NOM_SETT_VENT_TIME_PD_INSP_APRV	(0x0402F942)
NLS_NOM_EMFC_sCPAP	(0x040180F4)
NLS_NOM_SETT_PRESS_AWAY_CTS_POS	(0x040250F4)
NLS_NOM_EMFC_s02Pr	(0x040181C4)
NLS_NOM_SETT_VENT_02_PROBE_POSN	(0x0402F927)
NLS_NOM_EMFC_loPmax	(0x04018174)
NLS_NOM_SETT_PRESS_AWAY_INSP_MAX_LIMIT_LO	(0x0402F8FB)
NLS_NOM_EMFC_IUP	(0x04010054)
NLS_NOM_PRESS_INTRA_UTERAL	(0x0002F0D8)
NLS_NOM_EMFC_IMV NLS_NOM_VENT_MODE_MAND_INTERMIT	(0x04010138) (0x0002D02A)
NLS_NOM_EMFC_sTVap	(0x04018184)
NLS_NOM_SETT_VOL_AWAY_TIDAL_APPLIED	(0x0402F952)
NLS_NOM_EMFC_PVPI	(0x040111F0)
NLS_NOM_PERM_VASC_PULM_INDEX	(0x0002F106)
NLS_NOM_EMFC_OperID	(0x04010AB4)
NLS_NOM_SETT_OPERID	(0x0402F958)
NLS_NOM_EMFC_Ppeak	(0x040106CC)
NLS_NOM_PRESS_AWAY_INSP_MAX	(0x00025109)
NLS_NOM_EMFC_P5_DIA	(0x04010402)
NLS_NOM_PRESS_GEN_5_DIA	(0x0002F3F6)
NLS_NOM_EMFC_sADel	(0x0401817C)
NLS_NOM_SETT_APNEA_ALARM_DELAY	(0x0402F8D9)
NLS_NOM_EMFC_NIF	(0x04010E9C)
NLS_NOM_PRESS_AWAY_NEG_MAX	(0x000250F9)
NLS_NOM_EMFC_Sp02_APER NLS_NOM_PULS_OXIM_SAT_02	(0x040100E0) (0x00024BB8)
NLS_NOM_EMFC_sTVin	(0x040181CC)
NLS_NOM_SETT_VOL_AWAY_INSP_TIDAL	(0x0402F0E0)
NLS_NOM_EMFC_RT_MPF NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_MEDIAN_RIGHT	(0x04010834) (0x0002F84C)
NLS_NOM_EMFC_RT_PPF	(0x04010838)
NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_PEAK_RIGHT	(0x0002F850)
NLS_NOM_EMFC_ALP	(0x04010640) (0x0002F81D)
NLS_NOM_EMFC_CO2Cal	(0x040181E0)
NLS_NOM_SETT_VENT_CO2_CAL_MODE	(0x0402F914)
NLS_NOM_EMFC_sflow	(0x040180F8)
NLS_NOM_SETT_VENT_FLOW	(0x0402F91B)
NLS_NOM_EMFC_sAWRR	(0x04018004)

NLS_NOM_SETT_AWAY_RESP_RATE	(0x04025012)
NLS_NOM_EMFC_sHInPr	(0x0401818C)
NLS_NOM_SETT_PRESS_AWAY_INSP_MAX	(0x04025109)
NLS_NOM_EMFC_set_T	(0x040181D0)
NLS_NOM_SETT_TEMP	(0x04024B48)
NLS_NOM_EMFC_BasePr	(0x04010554)
NLS_NOM_VENT_PRESS_AWAY_END_EXP_POS	(0x000251A8)
NLS_NOM_EMFC_SO2_1	(0x040111B4)
NLS_NOM_SAT_O2_LEFT	(0x0002F89D)
NLS_NOM_EMFC_Age	(0x04010BC8)
NLS_NOM_AGE	(0x0002F810)
NLS_NOM_EMFC_CT	(0x04010648)
NLS_NOM_TIME_PD_COAGULATION	(0x0002F192)
NLS_NOM_EMFC_L_V2	(0x04010768)
NLS_NOM_ECG_ELEC_POTL_V2	(0x00020104)
NLS_NOM_EMFC_sO2Suc	(0x04018048)
NLS_NOM_SETT_VENT_O2_SUCTION_MODE	(0x0402F928)
NLS_NOM_EMFC_sTPDel	(0x040180D0)
NLS_NOM_SETT_TACHY_APNEA_DELAY	(0x0402F906)
NLS_NOM_EMFC_Crea	(0x04010ADC)
NLS_NOM_CONC_CREA	(0x0002F173)
NLS_NOM_EMFC_NgInsP	(0x04010484)
NLS_NOM_PRESS_AWAY_NEG_MAX	(0x000250F9)
NLS_NOM_EMFC_P7	(0x04010408)
NLS_NOM_PRESS_GEN_7	(0x0002F3FC)
NLS_NOM_EMFC_MV	(0x040106B8)
NLS_NOM_VOL_MINUTE_AWAY	(0x00025148)
NLS_NOM_EMFC_SEVLev	(0x04010884)
NLS_NOM_VOL_LVL_LIQUID_BOTTLE_SEVOFL	(0x0002F8CC)
NLS_NOM_EMFC_Quick	(0x040105EC)
NLS_NOM_TIME_PD_THROMBOPLAS	(0x0002F193)
NLS_NOM_EMFC_PaFIO2	(0x04010BE0)
NLS_NOM_RATIO_PaO2_FIO2	(0x0002F894)
NLS_NOM_EMFC_pHc	(0x04010A44)
NLS_NOM_CONC_PH_CAP	(0x0002F158)
NLS_NOM_EMFC_ESVI	(0x04010540)
NLS_NOM_VOL_VENT_L_END_SYS_INDEX	(0x0002F8D1)
NLS_NOM_EMFC_Rinsp	(0x04010670)
NLS_NOM_RES_AWAY_INSP	(0x00025128)
NLS_NOM_EMFC_i_eN2O	(0x04010688)
NLS_NOM_VENT_CONC_AWAY_N2O_DELTA	(0x0002F8B7)
NLS_NOM_EMFC_Rf_aVR	(0x04010740)
NLS_NOM_ECG_AMPL_ST_BASELINE_AVR	(0x0002F44E)

NLS_NOM_EMFC_LT_TH NLS_NOM_EEG_PWR_SPEC_THETA_ABS_LEFT	(0x040107EC) (0x0002F869)
NLS_NOM_EMFC_RT_SEF NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_SPECTRAL_EDGE_RIGHT	(0x0401083C) (0x0002F854)
NLS_NOM_EMFC_RT_PCT_AL	(0x0401080C)
NLS_NOM_EEG_PWR_SPEC_ALPHA_REL_RIGHT	(0x0002F85A)
NLS_NOM_EMFC_Rexp	(0x04010664)
NLS_NOM_RES_AWAY_EXP	(0x00025124)
NLS_NOM_EMFC_P4_MEAN	(0x0401003F)
NLS_NOM_PRESS_GEN_4_MEAN	(0x0002F0B3)
NLS_NOM_EMFC_i_eO2	(0x040106A4)
NLS_NOM_VENT_CONC_AWAY_O2_DELTA	(0x00025168)
NLS_NOM_EMFC_Rf_V4	(0x04010758)
NLS_NOM_ECG_AMPL_ST_BASELINE_V4	(0x0002F416)
NLS_NOM_EMFC_P5_SYS	(0x04010401)
NLS_NOM_PRESS_GEN_5_SYS	(0x0002F3F5)
NLS_NOM_EMFC_PT_INR NLS_NOM_PT_INTL_NORM_RATIO	(0x04010E2C) (0x0002F18C)
NLS_NOM_EMFC_Elapse	(0x04010B34)
NLS_NOM_TIME_PD_FROM_LAST_MSMT	(0x0002F8A2)
NLS_NOM_EMFC_ACT NLS_NOM_TIME_PD_ACT	(0x04010E10) (0x0002F18A)
NLS_NOM_EMFC_sfgAir	(0x040181B0)
NLS_NOM_SETT_FLOW_AWAY_AIR	(0x0402F877)
NLS_NOM_EMFC_sSilnc	(0x04018080)
NLS_NOM_SETT_AL_SILENCE_ONOFF	(0x0402F8D8)
NLS_NOM_EMFC_TOFrat	(0x04010DB0)
NLS_NOM_RATIO_TRAIN_OF_FOUR	(0x0002F897)
NLS_NOM_EMFC_L_aVL	(0x0401078C)
NLS_NOM_ECG_ELEC_POTL_AVL	(0x0002013F)
NLS_NOM_EMFC_Field1	(0x04010AC8)
NLS_NOM_SETT_FIELD1	(0x0402F959)
NLS_NOM_EMFC_HFTVin	(0x040106E4)
NLS_NOM_VENT_VOL_AWAY_INSP_TIDAL_HFV	(0x0002F8BE)
NLS_NOM_EMFC_SvO2_CALC NLS_NOM_SAT_O2_VEN_CALC	(0x04010A98) (0x0002F166)
NLS_NOM_EMFC_AAI NLS_NOM_ELEC_EVOK_POTL_CRTX_ACOUSTIC_AAI	(0x04011194) (0x0002F873)
NLS_NOM_EMFC_TVPSV	(0x04010E98)
NLS_NOM_VOL_AWAY_TIDAL_PSV	(0x0002F8C3)
NLS_NOM_EMFC_VPB	(0x04010088)
NLS_NOM_ECG_V_P_C_CNT	(0x00024261)
NLS_NOM_EMFC_sMVDel NLS_NOM_SETT_VOL_MINUTE_ALARM_DELAY	(0x04018144) (0x0402F953)

NLS_NOM_EMFC_sCO2Al	(0x04018160)
NLS_NOM_SETT_AWAY_CO2_AL_ONOFF	(0x0402F8DB)
NLS_NOM_EMFC_HFVAmp	(0x0401055C)
NLS_NOM_VENT_AMPL_HFV	(0x0002F8B1)
NLS_NOM_EMFC_low02	(0x0401A01C)
NLS_NOM_SETT_VENT_CONC_AWAY_02_LIMIT_LO	(0x0402F91A)
NLS_NOM_EMFC_BP_MEAN	(0x0401088B)
NLS_NOM_PRESS_BLD_MEAN	(0x00024A03)
NLS_NOM_EMFC_sSenFl	(0x0401805C)
NLS_NOM_SETT_VENT_AWAY_FLOW_SENSE	(0x0402F911)
NLS_NOM_EMFC_sDRate	(0x04018124)
NLS_NOM_SETT_FLOW_FLUID_PUMP	(0x04026858)
NLS_NOM_EMFC_fgISO	(0x04010864)
NLS_NOM_FLOW_AWAY_ISOFL	(0x0002F87C)
NLS_NOM_EMFC_fgAir	(0x040111BC)
NLS_NOM_FLOW_AWAY_AIR	(0x0002F877)
NLS_NOM_EMFC_SaO2_CALC	(0x04010A94)
NLS_NOM_SAT_O2_ART_CALC	(0x0002F164)
NLS_NOM_EMFC_sPVI	(0x04018084)
NLS_NOM_SETT_RATIO_IE_INSP_PV	(0x0402F902)
NLS_NOM_EMFC_Power	(0x04010B5C)
NLS_NOM_HEATING_PWR_INCUBATOR	(0x0002F886)
NLS_NOM_EMFC_sfgDES	(0x040181A8)
NLS_NOM_SETT_CONC_AWAY_DESFL	(0x040251D8)
NLS_NOM_EMFC_i_eHAL	(0x0401068C)
NLS_NOM_VENT_CONC_AWAY_HALOTH_DELTA	(0x0002F8B5)
NLS_NOM_EMFC_sTrgFl	(0x04018148)
NLS_NOM_SETT_VENT_FLOW_INSP_TRIG	(0x0402F91D)
NLS_NOM_EMFC_InsTi	(0x04010E74)
NLS_NOM_TIME_PD_INSP	(0x0002F8A3)
NLS_NOM_EMFC_CrCl	(0x04010124)
NLS_NOM_CONC_CREA_CLR	(0x0002F16C)
NLS_NOM_EMFC_UrNa_PER_K	(0x040101B0)
NLS_NOM_RATIO_CONC_URINE_NA_K	(0x0002F893)
NLS_NOM_EMFC_sCurnt	(0x040181FC)
NLS_NOM_SETT_EVOK_CURR	(0x0402F8E7)
NLS_NOM_EMFC_P3_SYS	(0x04010039)
NLS_NOM_PRESS_GEN_3_SYS	(0x0002F0AD)
NLS_NOM_EMFC_Rf_I	(0x04010734)
NLS_NOM_ECG_AMPL_ST_BASELINE_I	(0x0002F411)
NLS_NOM_EMFC_KCT	(0x04010654)
NLS_NOM_TIME_PD_KAOLIN_CEPHALINE	(0x0002F8A4)
NLS_NOM_EMFC_sPSVrp	(0x04018180)

NLS_NOM_SETT_VENT_TIME_PD_RAMP	(0x0402F8BD)
NLS_NOM_EMFC_P8 NLS_NOM_PRESS_GEN_8	(0x0401040C) (0x0002F400)
NLS_NOM_EMFC_P2_SYS	(0x04010035)
NLS_NOM_PRESS_GEN_2_SYS	(0x0002F0A9)
NLS_NOM_EMFC_Air_T	(0x04010B58)
NLS_NOM_TEMP_AMBIENT	(0x0002F0C6)
NLS_NOM_EMFC_GPT	(0x04010610)
NLS_NOM_CONC_GPT	(0x0002F187)
NLS_NOM_EMFC_CK_MB	(0x04010600)
NLS_NOM_CONC_CREA_KIN_MB	(0x0002F181)
NLS_NOM_EMFC_P1_DIA	(0x04010032)
NLS_NOM_PRESS_GEN_1_DIA	(0x0002F0A6)
NLS_NOM_EMFC_fgflow	(0x040111C0)
NLS_NOM_FLOW_AWAY_TOT	(0x0002F881)
NLS_NOM_EMFC_sBasFl	(0x04018058)
NLS_NOM_SETT_VENT_AWAY_FLOW_BASE	(0x0402F910)
NLS_NOM_EMFC_PTT NLS_NOM_TIME_PD_PTT	(0x040105E0) (0x0002F8A5)
NLS_NOM_EMFC_SAPVE	(0x04018090)
NLS_NOM_SETT_RATIO_IE_EXP_PV_APNEA	(0x0402F901)
NLS_NOM_EMFC_UrPro	(0x04010620)
NLS_NOM_CONC_PRO_URINE	(0x0002F19B)
NLS_NOM_EMFC_UCreat	(0x040101A0)
NLS_NOM_CONC_CREA_URINE	(0x0002F196)
NLS_NOM_EMFC_sfgENF	(0x040181A0)
NLS_NOM_SETT_CONC_AWAY_ENFL	(0x040251DC)
NLS_NOM_EMFC_Srurea	(0x040105C4)
NLS_NOM_UREA_SER	(0x0002F8AD)
NLS_NOM_EMFC_PlGain	(0x04010514)
NLS_NOM_PULS_OXIM_PLETH_GAIN	(0x0002F88D)
NLS_NOM_EMFC_pHc_ADJ	(0x04010A54)
NLS_NOM_CONC_PH_CAP_ADJ	(0x0002F837)
NLS_NOM_EMFC_TOF3	(0x04010DC8)
NLS_NOM_TRAIN_OF_FOUR_3	(0x0002F8A9)
NLS_NOM_EMFC_exPkFl	(0x040111CC)
NLS_NOM_FLOW_AWAY_EXP_MAX	(0x000250D9)
NLS_NOM_EMFC_Rf_V3	(0x04010754)
NLS_NOM_ECG_AMPL_ST_BASELINE_V3	(0x0002F415)
NLS_NOM_EMFC_KPLUS	(0x0401065C)
NLS_NOM_CONC_K_GEN	(0x00027110)
NLS_NOM_EMFC_L_I	(0x0401077C)
NLS_NOM_ECG_ELEC_POTL_I	(0x00020101)

NLS_NOM_EMFC_sSghR	(0x0401801C)
NLS_NOM_SETT_VENT_SIGH_RATE	(0x0402F93C)
NLS_NOM_EMFC_BSA_B	(0x0401043C)
NLS_NOM_AREA_BODY_SURFACE_ACTUAL_BOYD	(0x0002F812)
NLS_NOM_EMFC_G_Age	(0x04010428)
NLS_NOM_AGE_GEST	(0x0002F811)
NLS_NOM_EMFC_Plosm	(0x04010164)
NLS_NOM_PLASMA_OSM	(0x0002F16B)
NLS_NOM_EMFC_fgO2	(0x0401086C)
NLS_NOM_FLOW_AWAY_O2	(0x0002F87F)
NLS_NOM_EMFC_PcO2_ADJ	(0x04010A6C)
NLS_NOM_CONC_PO2_CAP_ADJ	(0x0002F83C)
NLS_NOM_EMFC_DABP	(0x0401054C)
NLS_NOM_VENT_TIME_PD_PPV	(0x00025360)
NLS_NOM_EMFC_sapvcP	(0x0401806C)
NLS_NOM_SETT_VENT_PRESS_AWAY_PV_APNEA	(0x0402F933)
NLS_NOM_EMFC_sUrTi	(0x040181D4)
NLS_NOM_SETT_URINE_BAL_PD	(0x0402F8AF)
NLS_NOM_EMFC_sEnTP	(0x040180B8)
NLS_NOM_SETT_TACHAPNEA_AL_ONOFF	(0x0402F905)
NLS_NOM_EMFC_DPosP	(0x04010848)
NLS_NOM_VENT_TIME_PD_PPV	(0x00025360)
NLS_NOM_EMFC_sustP	(0x0401A014)
NLS_NOM_SETT_VENT_PRESS_AWAY_SUST_LIMIT_HI	(0x0402F935)
NLS_NOM_EMFC_RRSync	(0x0401084C)
NLS_NOM_RESP_BREATH_ASSIST_CNT	(0x0002F89A)
NLS_NOM_EMFC_sHFVF1	(0x04018104)
NLS_NOM_SETT_FLOW_AWAY_HFV	(0x0402F8EB)
NLS_NOM_EMFC_L_aVF	(0x04010790)
NLS_NOM_ECG_ELEC_POTL_AVF	(0x00020140)
NLS_NOM_EMFC_RT_AL	(0x0401081C)
NLS_NOM_EEG_PWR_SPEC_ALPHA_ABS_RIGHT	(0x0002F856)
NLS_NOM_EMFC_sMode	(0x04018098)
NLS_NOM_SETT_MODE_MSMT	(0x0402F8F5)
NLS_NOM_EMFC_sSPEEP	(0x040180AC)
NLS_NOM_SETT_VENT_PRESS_AWAY_END_EXP_POS_INTERMIT	(0x0402F92C)
NLS_NOM_EMFC_sPhigh	(0x040181F0)
NLS_NOM_SETT_VENT_PRESS_AWAY_INSP_APRV	(0x0402F92E)
NLS_NOM_EMFC_LT_PCT_TH NLS_NOM_EEG_PWR_SPEC_THETA_REL_LEFT	(0x040107DC) (0x0002F86D)
NLS_NOM_EMFC_sCycTi	(0x0401809C)
NLS_NOM_SETT_TIME_PD_MSMT	(0x0402F909)
NLS_NOM_EMFC_fgN2O	(0x04010868)
NLS_NOM_FLOW_AWAY_N2O	(0x0002F87E)

NLS_NOM_EMFC_AST	(0x0401063C)
NLS_NOM_CONC_AST	(0x0002F184)
NLS_NOM_EMFC_SpTVex	(0x040106E0)
NLS_NOM_VOL_AWAY_EXP_TIDAL_SPONT	(0x0002F8C2)
NLS_NOM_EMFC_sIE_1	(0x040180EC)
NLS_NOM_SETT_RATIO_IE	(0x04025118)
NLS_NOM_EMFC_P1_MEAN	(0x04010033)
NLS_NOM_PRESS_GEN_1_MEAN	(0x0002F0A7)
NLS_NOM_EMFC_PvCO2_ADJ	(0x04010A84)
NLS_NOM_CONC_PCO2_VEN_ADJ	(0x0002F835)
NLS_NOM_EMFC_TC NLS_NOM_AWAY_TC	(0x04010E7C) (0x0002F816)
NLS_NOM_EMFC_P4_DIA	(0x0401003E)
NLS_NOM_PRESS_GEN_4_DIA	(0x0002F0B2)
NLS_NOM_EMFC_P1 NLS_NOM_PRESS_GEN_1	(0x04010030) (0x0002F0A4)
NLS_NOM_EMFC_hisghP	(0x0401A008)
NLS_NOM_SETT_VENT_PRESS_AWAY_SIGH_LIMIT_HI	(0x0402F934)
NLS_NOM_EMFC_Rf_V6	(0x04010760)
NLS_NOM_ECG_AMPL_ST_BASELINE_V6	(0x0002F418)
NLS_NOM_EMFC_Diff_X	(0x04010224)
NLS_NOM_TEMP_DIFF	(0x0002E018)
NLS_NOM_EMFC_sMVAl	(0x040180DC)
NLS_NOM_SETT_VOL_MINUTE_AWAY_AL_ONOFF	(0x0402F955)
NLS_NOM_EMFC_P5_MEAN	(0x04010403)
NLS_NOM_PRESS_GEN_5_MEAN	(0x0002F3F7)
NLS_NOM_EMFC_sAPVO2	(0x04018078)
NLS_NOM_SETT_VENT_CONC_AWAY_O2_INSP_PV_APNEA	(0x0402F918)
NLS_NOM_EMFC_Wave NLS_NOM_WAVE_LBL	(0x04018170)
	(0x0002F8D2)
NLS_NOM_EMFC_UrK NLS_NOM_CONC_K_URINE	(0x0002F8D2) (0x040101A4) (0x0002F197)
NLS_NOM_EMFC_UrK	(0x040101A4)
NLS_NOM_EMFC_UrK NLS_NOM_CONC_K_URINE NLS_NOM_EMFC_LT_MDF	(0x040101A4) (0x0002F197) (0x040107F4)
NLS_NOM_EMFC_UrK NLS_NOM_CONC_K_URINE NLS_NOM_EMFC_LT_MDF NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN_LEFT NLS_NOM_EMFC_RRaw	(0x040101A4) (0x0002F197) (0x040107F4) (0x0002F849) (0x040106C4)
NLS_NOM_EMFC_UrK NLS_NOM_CONC_K_URINE NLS_NOM_EMFC_LT_MDF NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN_LEFT NLS_NOM_EMFC_RRaw NLS_NOM_VENT_RESP_RATE NLS_NOM_EMFC_SAPVTi	(0x040101A4) (0x0002F197) (0x040107F4) (0x0002F849) (0x040106C4) (0x00025022) (0x04018074)
NLS_NOM_EMFC_UrK NLS_NOM_CONC_K_URINE NLS_NOM_EMFC_LT_MDF NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_DOM_MEAN_LEFT NLS_NOM_EMFC_RRAW NLS_NOM_VENT_RESP_RATE NLS_NOM_VENT_RESP_RATE NLS_NOM_EMFC_SAPVTi NLS_NOM_SETT_VENT_TIME_PD_INSP_PV_APNEA NLS_NOM_EMFC_HI	(0x040101A4) (0x0002F197) (0x040107F4) (0x0002F849) (0x040106C4) (0x00025022) (0x04018074) (0x0402F944) (0x040111B0)

NLS_NOM_ECG_ELEC_POTL_V6	(0x00020108)
NLS_NOM_EMFC_COsm	(0x04010120)
NLS_NOM_CREA_OSM	(0x0002F83F)
NLS_NOM_EMFC_ISOLev	(0x04010874)
NLS_NOM_VOL_LVL_LIQUID_BOTTLE_ISOFL	(0x0002F8CB)
NLS_NOM_EMFC_Rf_II	(0x04010738)
NLS_NOM_ECG_AMPL_ST_BASELINE_II	(0x0002F412)
NLS_NOM_EMFC_tUrVol	(0x04010BBC)
NLS_NOM_VOL_URINE_BAL_PD_INSTANT	(0x0002F8CE)
NLS_NOM_EMFC_PcCO2_ADJ	(0x04010A88)
NLS_NOM_CONC_PCO2_CAP_ADJ	(0x0002F833)
NLS_NOM_EMFC_sfgN2O	(0x040181BC)
NLS_NOM_SETT_FLOW_AWAY_N2O	(0x0402F87E)
NLS_NOM_EMFC_UrF1	(0x04010890)
NLS_NOM_FLOW_URINE_INSTANT	(0x0002680C)
NLS_NOM_EMFC_SAPVRR	(0x04018070)
NLS_NOM_SETT_VENT_RESP_RATE_PV_APNEA	(0x0402F93A)
NLS_NOM_EMFC_LT_SEF	(0x04010800)
NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_SPECTRAL_EDGE_LEFT	(0x0002F853)
NLS_NOM_EMFC_Chol	(0x04010618)
NLS_NOM_CONC_CHOLESTEROL	(0x0002F16E)
NLS_NOM_EMFC_L_V1	(0x04010764)
NLS_NOM_ECG_ELEC_POTL_V1	(0x00020103)
NLS_NOM_EMFC_AWN2O	(0x04010518)
NLS_NOM_CONC_AWAY_N2O	(0x000251F0)
NLS_NOM_EMFC_P8_SYS	(0x0401040D)
NLS_NOM_PRESS_GEN_8_SYS	(0x0002F401)
NLS_NOM_EMFC_ICG	(0x040111A0)
NLS_NOM_IMPED_TTHOR_ECG	(0x0002F888)
NLS_NOM_EMFC_HCO3_CALC	(0x04010AA0)
NLS_NOM_CONC_HCO3_GEN_CALC	(0x0002F82E)
NLS_NOM_EMFC_SRRAW	(0x0401812C)
NLS_NOM_SETT_VENT_RESP_RATE	(0x04025022)
NLS_NOM_EMFC_sO2	(0x0401810C)
NLS_NOM_SETT_CONC_AWAY_O2	(0x04025164)
NLS_NOM_EMFC_STV	(0x04018008)
NLS_NOM_SETT_VOL_AWAY_TIDAL	(0x0402513C)
NLS_NOM_EMFC_PCV	(0x04010650)
NLS_NOM_CONC_HCT_GEN	(0x00027184)
NLS_NOM_EMFC_Pmax	(0x04010678)
NLS_NOM_VENT_PRESS_AWAY_INSP_MAX	(0x0002F8BB)
NLS_NOM_EMFC_LT_PCT_BE	(0x040107D4)
NLS_NOM_EEG_PWR_SPEC_BETA_REL_LEFT	(0x0002F85F)

NLS_NOM_EMFC_sInsFl	(0x04018130)
NLS_NOM_SETT_FLOW_AWAY_INSP	(0x0402F8EC)
NLS_NOM_EMFC_UrVSht	(0x0401088C)
NLS_NOM_VOL_URINE_SHIFT	(0x0002F8CF)
NLS_NOM_EMFC_AGTLev	(0x04010870)
NLS_NOM_VOL_LVL_LIQUID_BOTTLE_AGENT	(0x0002F8C7)
NLS_NOM_EMFC_sPSV	(0x04018038)
NLS_NOM_SETT_VENT_PRESS_AWAY_PV	(0x0402F8BC)
NLS_NOM_EMFC_Urea	(0x04010AB8)
NLS_NOM_CONC_UREA_GEN	(0x0002F172)
NLS_NOM_EMFC_P8_MEAN NLS_NOM_PRESS_GEN_8_MEAN	(0x0401040F) (0x0002F403)
NLS_NOM_EMFC_RSCALE NLS_NOM_EEG_ELEC_POTL_CRTX_GAIN_RIGHT	(0x04010844) (0x0002F842)
NLS_NOM_EMFC_sRepTi	(0x04018208)
NLS_NOM_SETT_TIME_PD_TRAIN_OF_FOUR	(0x0402F8A6)
NLS_NOM_EMFC_LT_EEG NLS_NOM_EEG_ELEC_POTL_CRTX_LEFT	(0x040107F0) (0x0002F845)
NLS_NOM_EMFC_P3_DIA	(0x0401003A)
NLS_NOM_PRESS_GEN_3_DIA	(0x0002F0AE)
NLS_NOM_EMFC_SerPho	(0x040105A8)
NLS_NOM_CONC_P_SER	(0x0002F15E)
NLS_NOM_EMFC_eeFlow	(0x040111D0)
NLS_NOM_FLOW_AWAY_EXP_ET	(0x0002F87A)
NLS_NOM_EMFC_inAGTS NLS_NOM_CONC_AWAY_AGENT_INSP_SEC	(0x04010CEC) (0x0002F81F)
NLS_NOM_EMFC_iMg	(0x04010AC4)
NLS_NOM_CONC_MG_ION	(0x0002F15B)
NLS_NOM_EMFC_sFWave	(0x04018120)
NLS_NOM_SETT_VENT_FLOW_PATTERN	(0x0402F91E)
NLS_NOM_EMFC_UrOsm	(0x040101B8)
NLS_NOM_CONC_OSM_URINE	(0x0002F199)
NLS_NOM_EMFC_Paw	(0x040106BC)
NLS_NOM_PRESS_AWAY	(0x000250F0)
NLS_NOM_EMFC_DCO2	(0x040106DC)
NLS_NOM_COEF_GAS_TRAN	(0x000251D4)
NLS_NOM_EMFC_Pmean	(0x040106C0)
NLS_NOM_PRESS_AWAY_INSP_MEAN	(0x0002510B)
NLS_NOM_EMFC_LT_PPF	(0x040107FC)
NLS_NOM_EEG_FREQ_PWR_SPEC_CRTX_PEAK_LEFT	(0x0002F84F)
NLS_NOM_EMFC_lowTV NLS_NOM_SETT_VENT_VOL_TIDAL_LIMIT_LO	(0x0401A030) (0x0402F94E)
NLS_NOM_EMFC_PaO2_ADJ	(0x04010A64)
NLS_NOM_CONC_PO2_ART_ADJ	(0x0002F83B)

NLS_NOM_EMFC_sPkF1 NLS_NOM_SETT_FLOW_AWAY_INSP_MAX	(0x0401800C) (0x040250DD)
NLS_NOM_EMFC_SpPkFl	(0x0401048C)
NLS_NOM_FLOW_AWAY_MAX_SPONT	(0x0002F87D)
NLS_NOM_EMFC_sPulsD	(0x04018204)
NLS_NOM_SETT_TIME_PD_EVOK	(0x0402F908)
NLS_NOM_EMFC_BPAPTH NLS_NOM_SETT_VENT_TIME_PD_BIPAP_HIGH	(0x040180C8) (0x0402F93D)
NLS_NOM_EMFC_iCa	(0x04010A2C)
NLS_NOM_CONC_CA_GEN	(0x00027118)
NLS_NOM_EMFC_tCO2_CALC	(0x04010A8C)
NLS_NOM_CONC_CO2_TOT_CALC	(0x0002F826)
NLS_NOM_EMFC_sHFVAm	(0x04018140)
NLS_NOM_SETT_HFV_AMPL	(0x0402F8F3)

Building a Computer Client

Interfacing the LAN interface with UDP/IP

When setting up a Computer Client, a network traffic analyzing tool can be useful to verify the success of each step. A widely used tool is Wireshark.

Setting Up the BootP Server

Step 1: Connect the Computer Client to the monitor.

The Computer Client and the monitor should be connected with a crossover LAN cable. If you need a dedicated system to run the BootP server, use a hub/switch to connect the devices. It is strongly recommended that a dedicated network is used for the data export. Do not connect any additional devices.

Step 2: Start the BootP server.

Please refer to the documentation of your BootP/DHCP server for installation guidelines.

Step 3: Verify that the monitor receives a valid IP address.

Use a network monitor to verify that the monitor receives the correct IP address. If the monitor shows an **Unsupported LAN** INOP, it has not received a valid IP address.

If the monitor does not receive an IP address,

- make sure that there is no IP address conflict on the network
- try to reboot the monitor.

Parsing the Connect Indication Message

Step1: Verify that the Connect Indication message is sent.

Use a networked monitor and check that the monitor sends a subnet broadcast message to the Connect Indication port (24005). If the monitor does not send the message, verify that the monitor received a valid IP address from the BootP/DHCP server (see "Setting Up the BootP Server" on page 315).

Step 2: Receive the Connect Indication message on the Computer Client.

Open a socket on the Computer Client that receives the subnet broadcast message. If the Computer Client does not receive the Connect Indication message, verify the correct network connection, use an ICMP echo (ping) to check connectivity of the monitor.

Step 3: Parse the Data Export Protocol Command.

The Computer Client must parse the Connect Indication message to determine the port for the Data Export Protocol. The message also contains the IP address of the monitor.

The Computer Client should check that all length and type fields in the message are set correctly, otherwise the message must be discarded.

Then the Computer Client should parse the appended *AttributeList* and extract the IP address and port information (refer to "Connect Indication Attributes" on page 107 for the specification of these attributes).

Interfacing the MIB/RS232 Interface with the Fixed Baudrate Protocol

Step 1: Connect the Computer Client to the IntelliVue monitor.

It may be useful to try out the Association Request/Response mechanism on the LAN interface before working with the MIB/RS232 interface. This might help to find out whether an error is related to a ill-formatted Data Export message or if it is related to a transport layer problem.

Step 2: Implement the framing algorithm.

The section "The Fixed Baudrate Protocol, RS232 Port Settings" on page 30 contains some examples which can be used to check if your framing algorithm works correctly. Remember to apply the framing algorithm to both the *Hdr* and *User Data* part of the message.

If you have tried out the Association Request message on the LAN interface, you can try to send the message within the Fixed Baudrate protocol. Just add the *Hdr* information and apply the framing algorithm.

You should keep the following points in mind when implementing the the Fixed Baudrate protocol:

- Verify that the checksum algorithm works correctly for received messages, i.e., make sure that received messages with a corrupt checksum are discarded.
- Make sure that you implement an exception handling in case the received message grows larger than your receive buffer (e.g., if an end of frame character is lost somewhere during communication).
- The Fixed Baudrate Protocol is not connection oriented. After starting your application, there may
 be an existing Data Export Association (either from running your own application previously or
 from another system which has been connected to the MIB/RS232 Interface before). This may have
 some unexpected consequences for your application.

Interfacing the MIB/RS232 Interface with the AutoSpeed Protocol

Step 1: Connect the Computer Client and the IntelliVue monitor.

If your operating system comes with an IrDA stack, please refer to the documentation of your operating system. The operating system will cover most of the steps below automatically. It may be useful to try out the Association Request/Response mechanism on the LAN interface before working with the MIB/RS232 interface. This may help you to find out whether an error is related to a wrongly-formatted Data Export message or if it is related to a transport layer problem.

Step 2: Establish an IrDA connection

The IrDA protocol supports a device detection procedure. If the detection is successful, it will return information about the detected device. This information contains a device nickname and a service hints field which indicates that the device supports the IEEE 1073 standard.

After this the Computer Client can establish an IrLAP connection with the device. This involves the negotiation of the baudrate and packet size for the lower layers. Refer to the Serial Infrared Link Access Protocol (IrLAP) specification (see page 32) for more information on this topic.

Step 3: Query the IAS database

The IAS database contains the object "IEEE:1073:3:2:MDDL" with the attribute "IrDA:TinyTP:LsapSel". This attribute contains the number of the TinyTP Service Access point for the Data Export protocol. The value type of the attribute is an *integer*. The value should be equal to 1 if the MIB/RS232 Interface is used for Data Export.

The database also contains an object named "IEEE:1073:3:2" with the attribute "NodeType". This attribute is of type integer and specifies the type of driver which resides on the interface. A value of 1 indicates that it is a data source, i.e. it is used to export data from the monitor.

After finishing the IAS query, the Computer Client should close the IAS connection before connecting to the TinyTP Service Access Point.

Step 4: Connect to the IEEE:1073:3:2:MDDL TinyTP Service Access Point

After connecting to the TinyTP Service Access Point, the connection can be used to send Association Control and Data Export Protocol messages within TinyTP data packets.

You should check the following points for your IrDA protocol stack:

- The connection may be interrupted or reset due to communication problems (e.g., if the cable is disconnected, or the monitor is rebooted). The Computer Client should be able to recover from such problems and initiate a new connection. Note: when a disconnect occurs on the IrDA protocol layer, an Association on the Data Export protocol layer will be terminated automatically.
- The Data Export protocol is packet oriented, this means that data is exchanged as a sequence of
 packets. Your IrDA stack may or may not provide a packet oriented interface to the TinyTP layer.
 The Data Export software requires that a received IrDA packet contains only one Data Export
 Protocol message.

Establishing an Association

Step 1: Send an Association Request message to the monitor.

Format an Association Request message as described in the section "Association Request Message" on page 67. Make sure that all length fields are set correctly, the right byte order is used, and the compiler does not insert extra bytes for structure alignment.

Step 2: Parse the Association Response message sent by the monitor.

Verify that the monitor sends an Association Response message.

If the monitor does not send a Response message, this can have the following reasons:

- The Association Request message has been sent to the wrong port.
- The monitor is connected to a central station or has been connected to one (reboot the monitor).
- The Association Request message was not formatted correctly.

If the monitor sends a Refuse message, this can have the following reasons:

- The Association Request message was not formatted correctly or requested a protocol that is not supported by the monitor.
- The monitor already has an association with a different Computer Client on the same interface.
- The monitor already has an association with a different Computer Client on another interface and the active association uses a different source for the numeric data (only one source for numeric data may be active at a time). Please refer to "Association Request Message" on page 67 for more information on the different sources for numeric data.

If the Computer Client has an association with the monitor and sends a second Association Request from the same source port, the message is discarded.

Look for the byte sequence described in "Association Response Message" on page 73 to find the beginning of the User Data. Parse the User Data and make sure that the monitor sets the protocol versions and options as expected. Check that the requested optional packages are present.

Step 3: Parse the MDS Create Event message.

The monitor will send the MDS Create Event message shortly after the Association Response message. The Computer Client should parse the message and extract all necessary information. Refer to the section "Wave Objects" on page 82 for a description of the available attributes.

Step 4: Send an MDS Create Result message.

The Computer Client must send an MDS Create Result message to confirm the MDS Create Event message. Refer to "MDS CREATE EVENT RESULT" on page 55 to see how the message is formatted.

Make sure that the message uses the correct presentation context ID.

It is important that the result message has the same invoke ID as the MDS Create Event message. If the monitor receives a correct MDS Create Result message, it stops re-sending MDS Create Event messages. Use a network monitor to verify this.

Step 5: Send a Release Request message.

Use the building blocks from the section "RELEASE REQUEST" on page 335 to build a Release Request message and send it to the monitor.

The monitor identifies a Computer Client based on its IP address and the source port of the messages. The Computer Client must use the same source port as in the Association Request for all communication during the association. If a message is sent from another source port, it will be treated as a message from a different Computer Client.

Step 6: Parse the Release Response message

The monitor sends the Release Response message to confirm that the association has been terminated. For the Computer Client it is sufficient to check the session header of the response and verify that it is indeed a Release Response message (see "Release Response" on page 73).

If the Computer Client does not receive the response message, it should try to resend the Release Request message.

To identify the Monitor software revision, poll the MDS objects system production attribute group and read the ProductSpecification attribute. (see "Attribute: Production Specification" on page 95)

Accessing Data

Step 1: Establish an association as described above.

Step 2: Send a Poll Data Request message to the monitor.

Message Frequencies

If the Computer Client sends Protocol Messages with a high frequency, the monitor is not able to process all the requests. Some of the messages will be discarded. The Computer Client can detect discarded Poll Data Request messages by checking the poll number in the response. The Computer Client must set the poll number so that it will be able to detect loss of messages.

Single and Extended Polling

If the Computer Client needs to access real-time numeric or wave data, it should use Poll Profile Extensions (see "EXTENDED POLL DATA REQUEST" on page 58). This avoids sending poll requests with a high frequency and reduces the communication overhead.

The Computer Client can use an Extended Poll Request only to access Numerics, Waves and Alarms. It must use Single Poll Data Requests to access data from Patient Demographics or from the Medical Device System object.

Receive the Poll Data Response message and parse it.

The monitor sends a Single or Extended Poll Data Result message if the Poll Request message was parsed correctly.

Availability of Data

Not all of the data is available right after a new association has been established. The time span until all data is collected depends on the internal update frequency of the data. Typical times are listed in the table below.

Object Type	Max. Time (Typical)
Numerics (real-time)	< 2 s
Numerics (12 second averaged)	< 18 s
Numerics (1 minute averaged)	< 70 s
Numerics (5 minute averaged)	< 310 s
Alarms	< 2 s
Patient Demographics	< 10 s
Medical Device System Object	< 1 s

During the startup phase, Poll Data Request messages on the object will result in Poll Data Response messages, which

- do not contain all the objects which are present in the monitor.
- · do not contain all the available attributes of an object.

Numeric data is only available if a Measurement Server is connected to the monitor and if the system is not in stand-by mode. If a Measurement Server is connected to a running system, it may take several seconds until the data from the Measurement Server is available.

Parsing the Poll Result

The Poll Data Result message contains a checksum in the transport layer message. The Computer Client should verify that this checksum is correct. In the case of a corrupted checksum, the Computer Client must discard the message.

The Computer Client should check the poll number in the Poll Data Result message if it needs to detect lost messages. The Computer Client should check the *rel_time_stamp* which indicates the system time when the data was internally generated.

If the Computer Client needs to acquire a specific Numeric label (e.g., ABP), the preferred method is to use the *PhysioId* which is part of the Numeric Observed Value attribute (see "Numeric Objects" on page 75). The *physio_id* (physiological identifier) field contains a nomenclature code from the SCADA partition that identifies the represented value (typically a physiological measurement). It can be mapped to a label. However, for some numerics, the physio_id does not uniquely identify the measurement. E.g. all difference temperatures have the same physio_id, the numerics in the two channels of an EEG have the same physio_ids, the VueLink module may have numerics where the physio_id is not specified. However, if the label is derived by enumeration (e.g. the temperatures T1 and T2), the labels map to the same *PhysioId*. This ambiguity can be resolved if the user assigns other labels to the Numerics.

A Computer Client should not send Poll Requests for all attribute groups (polled_attr_grp = 0) when querying data with a high update frequency. Polling all attribute groups with a high frequency might lead to high system load and increased response latency. Future releases of the Data Export Protocol may support more attributes for each object.

If the monitor sends no response, check for the following causes:

- There is no association. Either the association was not established correctly or the monitor sent an Abort message (e.g., time-out) in the meantime.
- The Computer Client sent too many messages and messages were lost.
- The length of the transport layer message is corrupt.
- Length fields in the message are corrupt.

If the monitor sends a Remote Operation Error, this might have one of the following reasons:

- Wrong length field in the message.
- Wrong message type (*ro_type*, *command_type*, *action_type*).
- Wrong *managed_object* for the action (for Poll Requests, this must be the MDS object announced in the MDS Create Event).
- Wrong *polled_obj_type* (refer to "SINGLE POLL DATA REQUEST" on page 55 and "EXTENDED POLL DATA REQUEST" on page 58).
- Computer Client sent an Extended Poll Data Request, but the necessary optional package was not negotiated.
- Computer Client sent an Extended Poll Data Request with the wrong polled attribute group.
- Computer Client requested periodic Poll Data Result messages for too many objects. The Computer
 Client should at most send one request for Numerics (Metric Observed Value Attribute Group) and
 one for the AlertMonitor (Alert Monitor Attribute Group).

If the monitor sends a Poll Result message which does not contain all object/attributes check for the following problems:

- The Computer Client sent a Single Poll Data Request with the wrong polled attribute group. The Poll Result shows the objects with empty attribute lists (there are no attributes from the requested group).
- The association has been established and not all of the objects have been created. Wait until the objects are created.

Parsing AttributeLists

When parsing an AttributeList, the Computer Client should adhere to the following guidelines:

- Verify that the length fields in the AttributeList are consistent with other length fields in the message.
- Check both the count and length field of the AttributeList to detect the end of the list.
- Do not rely on the sequence of attributes in an AttributeList.
- Skip unknown attributes.
- Verify that the length field of each AVAType is consistent with its value.

If the Computer Client fails parsing the message, it is useful to compare the raw message (captured with a network monitor) with the Computer Client's interpretation of the data. Common problems are:

- The Computer Client uses a different byte order. Wrong interpretation of length and count fields in particular can lead to problems.
- The Computer Client uses a different alignment for structures. The offset for members of a structure will be wrong, because the compiler for the Computer Client inserted bytes for alignment.
- Length fields denote the length of data appended, excluding the size of the length field.

Interpreting Data from Numerics

- Do not rely on the sequence of values within a Compound Numeric Observed Value attribute. The physiological identifiers must be interpreted.
- A triple valued pressure parameter can change to single valued (mean only), whenever the diastolic
 and systolic values are close together. This commonly happens when a pressure is being zeroed or
 when a transducer is left exposed to air. The parameter is still sent as a Compound Numeric
 Observed Value, even if only one value is available.
- The text in the label strings is localized. If you have a monitor with chinese localization, the strings will contain chinese UNICODE characters.

Interpreting Data from the Alert Monitor

- If the Computer Client wants to display Alarm messages, it should check the strings for UNICODE characters from the private use area (see "Definitions Shared by Protocols" on page 35).
- The text in the alarm strings is localized. If you have a monitor with chinese localization, the strings will contain chinese UNICODE characters.

Interpreting Wave Data

• The IntelliVue patient monitor supports the following wave types, which are defined by sample period, sample and array size (Sample Array Specification), and update period (Metric Specification) in the static context.

Wave Type	Sample Period	Sample Size	Array Size	Update Period	Bandwidth Requirement ¹
500 samples/s (ECG)	2 ms	16 bits	128 samples	256 ms	1064 bytes/s
250 samples/s (Compound ECG)	4 ms	16 bits	3*64 samples	256 ms	1640 bytes/s
125 samples/s	8 ms	16 bits	32 samples	256 ms	296 bytes/s
62.5 samples/s	16 ms	16 bits	16 samples	256 ms	168 bytes/s

- 1. Observed values, not including context data.
- The Computer Client can poll the dynamic context to determine the available waves.
 Because of the high amount of data, the client should specify the required wave objects before requesting wave observed values in a periodic data poll.
- Up to three ECG waves (500 samples/s) can be polled simultaneously by selecting the appropriate lead labels in the Wave object priority list. The object handle is the same for all ECG waves. Waves can be identified by their physiological identifier.
- It is possible to select up to three individual ECG waves with 500 sps each or the single ECGcompound wave (containing three channels, 250 sps each). Additionally up to eight 125 sps or 62.5 sps waves may be chosen. Bandwidth restrictions need to be considered (see table above for bandwith usage of the individual wave types)
- In non-EASI mode, three ECG waves (250 samples/s, including the primary and secondary lead) can be polled by selecting the NLS_NOM_ECG_ELEC_POTL label in the Wave object priority list. The monitor sends poll results with a compound wave, containing three waves with common context. Waves can be identified by their physiological identifier.
- Up to eight non-ECG waves (125 or 62.5 samples/s) can be polled simultaneously by selecting the appropriate labels in the Wave object priority list.
- The Computer Client needs to keep track of the poll results time stamps to detect missing wave samples.
- Entries in the Wave object priority list are ignored if the label does not exist or the object is not available, or more than three ECG and/or more than eight non-ECG waves are specified.

The wave context can be polled separately or multiplexed with the wave observed values. If the *polled_attr_grp* is 0 in a periodic data poll request, the monitor reports one object's static and dynamic context per 1024 ms. Context attributes are included in the observation poll.

Troubleshooting

This chapter will help you identify and locate faults that may occur when using the Protocol. The procedure to locate faults uses a troubleshooting matrix.

When the fault has been identified, check the Possible Causes and corresponding Corrective Actions. Perform the corrective actions. Re-check the fault after each corrective action is performed until the fault has been cleared. It is assumed that you have a functioning Computer Client.

Fault	Possible Causes	Corrective Actions		
Computer Client doesn't receive LAN messages	Cable connection is broken or wrong cable used.	Verify that the monitor is correctly connected to the network.		
		Verify that the Computer Client is correctly connected to the network.		
		Try to use an ICMP echo (ping) to check the monitor and Computer Client connections.		
	Monitor failure	Re-boot the monitor and try to make a new connection. Refer to the Troubleshooting section in the Service Guide of your device.		
Monitor shows an Unsupported LAN INOP	BootP server does not send a valid IP address.	Check the configuration of the BootP server. Check that the BootP server is correctly connected to the network.		
	Cable connection is broken or wrong cable used.	Check the connection between the monitor and the BootP Server.		
Monitor shows a No Central Monitoring INOP	Central Monitoring Mandatory is configured to On in the monitor	Data Export must not be used with a central station. Configure Central Monitoring to Optional .		
	Central Monitoring Mandatory is configured to On in the monitor and the connection to the central station is interrupted	Data Export must not be used with a central station. Reboot the monitor and make sure it is not connected to a central station.		

Fault	Possible Causes	Corrective Actions
Computer Client doesn't receive messages with the AutoSpeed protocol	Cable connection is broken or wrong cable used.	Check the connection between the IntelliVue monitor and the Computer Client.
	Wrong configuration of MIB/ RS232 Interface	Check if the MIB/RS232 interface is configured for the desired protocol
	Monitor failure	Re-boot the monitor and try to make a new connection. Disconnect the MIB/RS232 cable for more than 60s, this will most likely reset the IrDA stack of the client system too. Refer to the Troubleshooting section in the <i>Service Guide</i> of your device.
Computer Client does not establish an association.	Another Computer Client Application is already associated with the monitor.	Make sure no other Computer Client Application is trying to connect to the monitor. Reboot the monitor or wait until the association is timed out.
Computer Client does not report data.	Measurement Server is disconnected.	Connect the measurement server to the monitor,
	Parameter is switched off.	If the Computer Client requires a specific measurement, the parameter must be switched on in the monitor.
	Wave label is not included in the Wave object priority list.	Specify the wave objects to be polled in the Set Priority List Request
Wave Samples are missing in a perioidic data poll	Too many Wave objects polled.	Reduce the number of entries in the Wave object priority list.

NOTE The Data Export Interface cannot be accessed via the Local Area Network when the monitor is connected to the Philips LAN, e.g. to an Information Center (central station).

Communication via the MIB/RS232 Interface is always possible.

Further Troubleshooting

Further troubleshooting can be done using the Philips Data Export Test Tool (DETT).

DETT is used to test the communication interface protocol, which transfers data from the Philips IntelliVue Patient Monitor via the Local Area Network (LAN) Interface or Serial Interface (MIB/RS232) to an external Computer.

Complete DETT functionality information is available in the DETT "Instructions for Use".

Download DETT 453564212161_DETT.zip file from InCenter at: http://incenter.medical.philips.com

A personal InCenter login account is required to access DETT.

Customers or users without a personal InCenter login requiring the DETT, please contact your local Philips Response Center for further support.

The DETT "Instructions for Use" (453564254321.pdf) can be downloaded from InCenter. See the link listed above and its description.

DETT "Instruction for Use" Information is also available within the DETT program via "Help".

Protocol Examples

Data Export Protocol Examples

CONNECT INDICATION EVENT

The Connect Indication message contains the *ConnectIndInfo* which is of variable length. The length fields in the message depend on the length of the *ConnectIndInfo*. This message is only available on the LAN interface.

```
Nomenclature
                     {0x00 0x00 0x01 0x00}
ROapdus
                 ro_type
                                   : ROIV_APDU
                 length
                                   : <XX>
                     {0x00 0x01 0xXX 0xXX}
ROIVapdu
                 invoke_id : 0
                 command_type
                                   : CMD_EVENT_REPORT
                 length
                                   : <XX>
                     (0x00 0x00 0x00 0x00 0xXX 0xXX)
EventReportArg.
ManagedObjectId
                 m obj class
                                 :NOM_MOC_VMS_MDS_COMPOS_SINGLE_BED
                 context_id
                                  : 0
                 handle
                                   : 0
RelativeTime
                 event time
                                   : 39424
OIDType
                                   : NOM_NOTI_MDS_CONNECT_INDIC
                 event type
u_16
                 length
                                   : <XX>
                     Connect IndInfo
```

MDS CREATE EVENT

The MDS Create Event message contains an *AttributeList* which is of variable length. The length fields in the message depend on the length of the *AttributeList*.

```
SPpdu
                  session id
                                       : 0xE100
                  p_context_id
                       {0xE1 0x00 0x00 0x02}
                                       : ROIV_APDU
ROapdus
                  ro_type
                  length
                                       : <XX>
                       {0x00 0x01 0xXX 0xXX}
ROIVapdu
                  invoke_id
                                       : CMD_CONFIRMED_EVENT_REPORT
                  command_type
                  length
                       {0x00 0x01 0x00 0x01 0xXX 0xXX}
EventReportArg.
ManagedObjectId
                  m_obj_class
                                       : NOM_MOC_VMS_MDS
                  context_id
                                       : 0
                  handle
                                      : 0
RelativeTime
                  event_time
                                       : 126976
OIDType
                  event_type
                                      : NOM_NOTI_MDS_CREAT
u_16
                  length
                      {0x00 0x21 0x00 0x00 0x00 0x00 0x00 0x01
                        0xf0 0x00 0x0d0x06 0xXX 0xXX}
MDSCreateInfo
ManagedObjectId
                  m obj class
                                       : NOM MOC VMS MDS
```

```
context_id : 0
handle : 0
{0x00 0x21 0x00 0x00 0x00 0x00}
AttributeList [...]
```

MDS CREATE EVENT RESULT

```
SPpdu
                                   : 0xE100
                 session id
                 p_context_id
                     {0xE1 0x00 0x00 0x02}
ROapdus
                 ro_type : RORS_APDU
                 length
                                   . 20
                    {0x00 0x02 0x00 0x14}
RORSapdu
                 invoke_id : 1
                                   : CMD_CONFIRMED_EVENT_REPORT
                 command_type
                 length
                                   : 14
                     {0x00 0x01 0x00 0x01 0x00 0x0e}
EventReportRes.
ManagedObjectId
               m_obj_class
                                   : NOM_MOC_VMS_MDS
                                  : 0
                 context_id
                                   : 0
                 handle
                 event_time
RelativeTime
                                   : 4736768
                                  : NOM_NOTI_MDS_CREAT
OIDType
                 event_type
                                   : 0
                 length
u_16
                  {0x00 0x21 0x00 0x00 0x00 0x00 0x00 0x48
                    0x47 0x00 0x0d 0x06 0x00 0x00}
```

SINGLE POLL DATA REQUEST

```
SPpdu
                 session id
                                        : 0xE100
                 p_context_id
                                        : 2
                    [0xE1 0x00 0x00 0x02]
ROapdus
                 ro_type : ROIV_APDU
                 length
                                        : 28
                    {0x00 0x01 0x00 0x1c}
                 invoke_id : 0
command_type : CMD_CONFIRMED_ACTION
ROIVapdu
                 length
                                        : 22
                    [0x00 0x01 0x00 0x07 0x00 0x16]
ActionArgument
ManagedObjectId
                 m_obj_class
                                        : NOM_MOC_VMS_MDS
                 context_id
                                       : 0
                 handle
                                       : 0
                 scope
                                       : NOM_ACT_POLL_MDIB_DATA
OIDType
                 action_type
u_16
                 length
                                        : 8
                    {0x00 0x21 0x00 0x00 0x00 0x00 0x00 0x00
                     0x00 0x00 0x0c 0x16 0x00 0x08}
PollMdibDataReq
                poll number
u_16
                 partition : NOM_PART_OBJ
code : NOM_MOC_VMO_METRIC_NU
polled_attr_grp : all attribute groups
OIDType
                    \{0x00\ 0x01\ 0x00\ 0x01\ 0x00\ 0x06\ 0x00\ 0x00\}
```

SINGLE POLL DATA RESULT

The Single Poll Data Result message contains a *PollInfoList* which is of variable length. The length fields in the message depend on the length of the *PollInfoList*.

```
SPpdu
                session_id
                                    : 0xE100
                p_context_id
                                    : 2
                  {0xE1 0x00 0x00 0x02}
ROapdus
                ro_type : RORS_APDU
                length
                                    : <XX>
                  \{0x00\ 0x02\ 0xXX\ 0xXX\}
RORSapdu
                invoke_id : 0
                command_type
                                   : CMD CONFIRMED ACTION
                length
                                    : <XX>
                  [0x00 0x00 0x00 0x07 0xXX 0xXX]
ActionResult
ManagedObjectId m_obj_class
                                    : NOM_MOC_VMS_MDS
                context_id
                                   : 0
               handle _
                                   : 0
OIDType
               action_type
                                   : NOM_ACT_POLL_MDIB_DATA
u_16
               length
                                   : <XX>
```

```
{0x00 0x21 0x00 0x00 0x00 0x00 0x0c 0x16
                     0xXX 0xXX}
PollMdibDataReply
                 poll_number
u_16
_
RelativeTime
                 rel_time_stamp
                                       : 4766464
                 abs_time_stamp
AbsoluteTime
                                        : 0xffffffff 0xffffffff
                 partition
                                       : NOM_PART_OBJ
TYPE
                                       : NOM MOC VMO METRIC NU
                 code
OIDType
                 polled_attr_grp
                                        : all attribute groups
                    {0x00 0x01 0x00 0x48 0xbb 0x00 0xff 0xff
                     0xff 0xff 0xff 0xff 0xff 0xff 0x00 0x01
                     0x00 0x06 0x00 0x00}
PollInfoList
                  [...]
```

SINGLE POLL DATA RESULT (LINKED)

It is assumed that the monitor needs two messages to encode all the data from a Poll Request.

The first message would have a linked result header:

```
session id
SPpdu
                 p_context_id
                    {0xE1 0x00 0x00 0x02}
                                       : ROLRS_APDU
ROapdus
                 ro type
                 length
                                       : <XX>
                    {0x00 0x05 0xXX 0xXX}
ROLRSapdu
RorlsId
                 state
                                       : RORLS_FIRST
                 count
                                       : 1
                 invoke_id
u_16
                                       : 0
                                       : CMD_CONFIRMED_ACTION
CMDType
                 command_type
u_16
                 length
                                       : <xx>
                    {0x01 0x01 0x00 0x00 0x00 0x07 0xXX 0xXX}
ActionResult[...]
```

The second message would contain the rest of the data:

```
SPpdu
                  session id
                                         : 0xE100
                  p_context_id
                                        : 2
                    {0xE1 0x00 0x00 0x02}
                                        : ROLRS_APDU
ROapdus
                  ro type
                  length
                                         : <XX>
                     {0x00 0x05 0xXX 0xXX}
ROLRSapdu
RorlsId
                  state
                                         : RORLS LAST
                                        : 2
                  count
u 16
                  invoke id
                                        : 0
CMDType
                  command_type
                                        : CMD_CONFIRMED_ACTION
u_16
                  length
                                         : <XX>
                     \{0x03\ 0x02\ 0x00\ 0x00\ 0x00\ 0x07\ 0xXX\ 0xXX\}
ActionResult[...]
```

Finally, the monitor sends a Remote Operation Result message:

```
SPodu
                 session id
                                       : 0xE100
                 p_context_id
                    {0xE1 0x00 0x00 0x02}
ROapdus
                                       : RORS_APDU
                 ro type
                 length
                                       :<XX>
                    {0x00 0x02 0xXX 0xXX}
RORSapdu
                 invoke id
                                       : 0
                                       : CMD CONFIRMED ACTION
                 command_type
                 length
                                       : <XX>
                    {0x00 0x00 0x00 0x07 0xXX 0xXX}
ActionResult
```

Note that all messages contain a fully encoded *ActionResult* data structure. The last Remote Operation Result message, however, would contain a *PollInfoList* structure with the *count* and *length* field set to 0. A client system should not depend on the terminating Remote Operation Result to have an empty *PollInfoList*. The message should be parsed as any other message.

EXTENDED POLL DATA REQUEST

The next example shows a message which could be used to access averaged data. The message will only be accepted if the optional package for Poll Profile Extensions has been negotiated during the association phase.

```
SPpdu
                 session id
                                      : 0xE100
                 p_context_id
                                     : 2
                   \{0xE1 \ 0x00 \ 0x00 \ 0x02\}
                 ro_type : ROIV_APDU
ROapdus
                 length
                                      : 32
                   \{0x00\ 0x01\ 0x00\ 0x20\}
                ROIVapdu
                 length
                                      : 26
                   {0x00 0x01 0x00 0x07 0x00 0x1a}
ActionArgument
ManagedObjectId m obj class
                                    : NOM MOC VMS MDS
                 context_id
                handle
                                     : 0
                scope
                                : NOM_ACT_POLL_MDIB_DATA_EXT
                action_type
OIDType
u_16
                length
                                      : 12
                  {0x00 0x21 0x00 0x00 0x00 0x00 0x00 0x00
                    0x00 0x00 0xf1 0x3b 0x00 0x0c}
PollMdibDataReqExt
     poll_number : 1
partition : NOM_PART_OBJ
code : NOM_MOC_VMO_METRIC_NU
pe polled_attr_grp : all attribute groups
u 16
OIDType
AttributeList
u 16
                count
u_16
                length
                                      : 0
                   [0x00 0x01 0x00 0x01 0x00 0x06 0x00 0x00
                    0x00 0x00 0x00 0x00}
```

EXTENDED POLL DATA RESULT

The Extended Poll Data Result message contains an additional *sequence_no*, which is used if the client requests periodic replies.

```
SPpdu
                    session_id
                                            : 0xE100
                   p_context_id
                       {0xE1 0x00 0x00 0x02}
ROapdus
                    ro_type : RORS_APDU
                    length
                      {0x00 0x02 0xXX 0xXX}
                   invoke_id : 0
command_type : CMD_CONFIRMED_ACTION
congret
RORSapdu
                       {0x00 0x00 0x00 0x07 0xXX 0xXX}
ActionResult
                   m_obj_class : NOM_MOC_VMS_MDS
context_id : 0
handle : 0
action_type : NOM_ACT_POLL_MDIB_DATA_EXT
length : <xx>
ManagedObjectId m_obj_class
OIDType
                   length : <xx>
{0x00 0x21 0x00 0x00 0x00 0x00 0xf1 0x3b
u_16
                        0xXX 0xXX}
PollMdibDataReplyExt
        poll_number
                  poil_number : 1
sequence_no : 0
rel_time_stamp : 4766464
abs_time_stamp : 0xfffffffff 0xffffffff
partition : NOM_PART_OBJ
code : NOM_MOS_ING_CODE
u 16
u 16
_
RelativeTime
AbsoluteTime
TYPE
                   OIDType
                        0xff 0xff 0xff 0xff 0xff 0xff 0xff
                        0x00 0x01 0x00 0x06 0x00 0x00}
                   [...]
PollInfoList
```

GET PRIORITY LIST REQUEST

SPpdu session_id : 0xE100

```
p context id
               {0xE1 0x00 0x00 0x02}
                      ro_type
                                            : ROIV_APDU
ROapdus
                      length
                                            : 22
               {0x00 0x01 0x00 0x16}
ROIVapdu
                      invoke id
                                             : 0
                      command_type
                                            : CMD GET
                      length
                                            : 16
               {0x00 0x00 0x00 0x03 0x00 0x10}
GetArgument
ManagedObjectId
                      m obj class
                                            : NOM MOC VMS MDS
                      context id
                                            : 0
                      handle
u 32
                      scope
AttributeIdList
                      count
                      length
                                            : 2
                      OIDType
                                            : NOM ATTR POLL RTSA PRIO LIST
               {0x00 0x21 0x00 0x00 0x00 0x00 0x00 0x00
                0x00 0x00 0x00 0x01 0x00 0x02 0xF2 0x3A}
```

GET PRIORITY LIST RESULT

```
SPpdu
                                          : 0xE100
                     session id
                     p context id
              {0xE1 0x00 0x00 0x02}
ROapdus
                     ro type
                                          : RORS APDU
                     length
                                          : <XX>
              {0x00 0x02 0xXX 0xXX}
                     invoke id
RORSapdu
                     command_type
                                         : CMD GET
                     length
              {0x00 0x00 0x00 0x03 0xXX 0xXX}
GetResult
ManagedObjectId
                     m_obj_class
                                         : NOM MOC VMS MDS
                     context id
                                          : 0
                     handle
              {0x00 0x21 0x00 0x00 0x00 0x00}
AttributeList
                     count
                             : 1
                     length
                                         : <XX>
AvaType
                     attribute_id
                                         : NOM_ATTR_POLL_RTSA_PRIO_LIST
                     length
                                          : <XX>
              {0x00 0x01 0xXX 0xXX 0xF2 0x3A 0xXX 0xXX}
TextIdList
```

SET PRIORITY LIST REQUEST

```
SPpdu
                      session id
                                            : 0xE100
                                             : 2
                      p context id
               {0xE1 0x00 0x00 0x02}
ROapdus
                      ro type
                                            : ROIV APDU
                      length
                                             : <XX>
               {0x00 0x01 0xXX 0xXX}
ROIVapdu
                      invoke id
                                            : 0
                      command_type
                                            : CMD CONFIRMED SET
                      length
                                            : <XX>
               {0x00 0x00 0x00 0x05 0xXX 0xXX}
SetArgument
ManagedObjectId
                                            : NOM MOC VMS MDS
                      m_obj_class
                      context id
                                            : 0
                      handle
                                            : 0
u_32
                      scope
               {0x00 0x21 0x00 0x00 0x00 0x00 0x00 0x00
                0x00 0x00}
ModificationList
                      count
                                             : 1
```

```
length : <xx>
AttributeModEntry modifyOperator : REPLACE
AvaType attribute_id : NOM_ATTR_POLL_RTSA_PRIO_LIST
length : <xx>
{0x00 0x01 0xXX 0xXX 0x00 0x00 0xF2 0x3A
0xXX 0xXX}

TextIdList [...]
```

SET PRIORITY LIST RESULT

```
SPpdu
                      session id
                                            : 0xE100
                      p_context_id
                                             : 2
               {0xE1 0x00 0x00 0x02}
                      ro type
ROapdus
                                             : RORS APDU
                      length
                                             : <XX>
               {0x00 0x02 0xXX 0xXX}
                      invoke id
RORSapdu
                                            : 0
                      command_type
                                             : CMD CONFIRMED SET
                      length
                                             : <XX>
               {0x00 0x00 0x00 0x05 0xXX 0xXX}
SetResult
ManagedObjectId
                                             : NOM_MOC_VMS_MDS
                      m_obj_class
                      context_id
                                             : 0
                      handle
               {0x00 0x21 0x00 0x00 0x00 0x00}
AttributeList
                      count
                      length
                                            : <XX>
AvaType
                      attribute_id
                                            : NOM_ATTR_POLL_RTSA_PRIO_LIST
                      length
                                             : <XX>
               {0x00 0x01 0xXX 0xXX 0xF2 0x3A 0xXX 0xXX}
TextIdList
                      [...]
```

AttributeList

This example shows an AttributeList which contains attributes from the Alert Monitor.

```
AttributeList
                 count
                 length
                    {0x00 0x05 0x00 0xf8}
AVAType
                 attribute_id : NOM_ATTR_ID_HANDLE
                                      : 2
                 length
                 attribute_val
                                      : 0x835d
                    \{0x09 \ \overline{0}x21 \ 0x00 \ 0x02 \ 0x83 \ 0x5d\}
AVAType
                 attribute_id : NOM_ATTR_ID_TYPE
                 length
                                      : 4
                                 : 0x0001 0x0036
                 attribute val
                    {0x09 0x2f 0x00 0x04 0x00 0x01 0x00 0x36}
                 attribute_id : NOM_ATTR_DEV_AL_COND
AVAType
                 length
                                      : 10
                                     : 0x1000 0x091a 0x0000 0x0002
                 attribute val
                                         0x0000
                    {0x09 0x16 0x00 0x0a 0x10 0x00 0x09 0x1a
                     0x00 0x00 0x00 0x02 0x00 0x00}
                 attribute_id : NOM_ATTR_AL_MON_P_AL_LIST
AVAType
                                     : 4
                 length
                                      : 0x0000 0x0000
                 attribute_val
                    \{0x09 \ \overline{0}x02 \ 0x00 \ 0x04 \ 0x00 \ 0x00 \ 0x00 \ 0x00 \}
AVAType
                 attribute_id : NOM_ATTR_AL_MON_T_AL_LIST
                 length
                                      : 208
attribute_val
                 : [...]
                    {0x09 0x04 0x00 0xd0 0x00 0x03 0x00 0xcc
                     0x4b 0xb8 0x01 0xba 0x00 0x02 0x10 0x00
                     0x00 0x02 0x00 0x00 0x83 0x3a 0x02 0x04
                     0x00 0x32 0x00 0x01 0x80 0x15 0x04 0x02
                     0x00 0x07 0x78 0x00 0x00 0x26 0x00 0x53
                     0x00 0x70 0x00 0x4f 0x20 0x82 0x00 0x20
                     0x00 0x4e 0x00 0x4f 0x00 0x4e 0x00 0x2d
                     0x00 0x50 0x00 0x55 0x00 0x4c 0x00 0x53
                     0x00 0x41 0x00 0x54 0x00 0x49 0x00 0x4c
                     0x00 0x45 0x00 0x00 0x50 0x00 0x01 0x12
                     0x00 0x02 0x10 0x00 0x00 0x09 0x00 0x00
                     0x02 0x91 0x02 0x04 0x00 0x32 0x00 0x01
```

```
        0x00
        0x03
        0x01
        0x0c
        0x00
        0x00
        0x78
        0x00

        0x00
        0x26
        0x00
        0x52
        0x00
        0x25
        0x00
        0x20
        0x00
        0x23
        0x00
        0x24
        0x00
        0x42
        0x00
        0x41
        0x00
        0x44

        0x00
        0x45
        0x00
        0x41
        0x00
        0x44
        0x00
        0x46
        0x00
        0x40
        0x40
        0x46

        0x00
        0x46
        0x00
        0x20
        0x00
        0x20
        0x00
        0x00
        0x00

        0x4a
        0x04
        0x00
        0x42
        0x00
        0x20
        0x00
        0x00
        0x00

        0x00
        0x32
        0x00
        0x62
        0x63
        0x00
        0x00

        0x00
        0x32
        0x00
        0x01
        0x06
        0x63
        0x00
        0x46

        0x00
        0x32
        0x00
        0x01
        0x00
        0x26
        0x00
        0x46

        0x00
        0x32
        0x00
        0x01
        0x00
        0x20
        0
```

Association Control Protocol Examples

ASSOCIATION REQUEST

The following building blocks can be used to format an Association Request message:

AssocReqSessionHeader

```
0x0D <LI>
```

AssocReqSessionData

```
0x05 0x08 0x13 0x01 0x00 0x16 0x01 0x02 0x80 0x00 0x14 0x02 0x00 0x02
```

AssocReqPresentationHeader

```
0xC1 <LI> 0x31 0x80 0xA0 0x80 0x80 0x01
0x01 0x00 0x00 0xA2 0x80 0xA0 0x03 0x00
0x00 0x01 0xA4 0x80 0x30 0x80 0x02 0x01
0x01 0x06 0x04 0x52 0x01 0x00 0x01 0x30
0x80 0x06 0x02 0x51 0x01 0x00 0x00 0x00
0x00 0x30 0x80 0x02 0x01 0x02 0x06 0x0C
0x2A 0x86 0x48 0xCE 0x14 0x02 0x01 0x00
0x00 0x00 0x01 0x01 0x30 0x80 0x06 0x0C
0x2A 0x86 0x48 0xCE 0x14 0x02 0x01 0x00
0x00 0x00 0x02 0x01 0x00 0x00 0x00 0x00
0x00 0x00 0x61 0x80 0x30 0x80 0x02 0x01
0x01 0xA0 0x80 0x60 0x80 0xA1 0x80 0x06
0x0C 0x2A 0x86 0x48 0xCE 0x14 0x02 0x01
0x00 0x00 0x00 0x03 0x01 0x00 0x00 0xBE
0x80 0x28 0x80 0x06 0x0C 0x2A 0x86 0x48
0xCE 0x14 0x02 0x01 0x00 0x00 0x00 0x01
0x01 0x02 0x01 0x02 0x81
```

AssocReqUserData

The AssocReqUserData contains variable data, see see "Protocol Commands" on page 65.

Assoc Req Presentation Trailer

ASSOCIATION RESPONSE

The following building blocks can be used to format an Association Response message:

AssocRespSessionHeader

```
0x0E <LI>
```

AssocRespSessionData

```
0x05 0x08 0x13 0x01 0x00 0x16 0x01 0x02 0x80 0x00 0x14 0x02 0x00 0x02
```

AssocRespPresentationHeader

```
        0xC1
        <LI>
        0x31
        0x80
        0x80
        0x80
        0x80
        0x80
        0x01

        0x01
        0x00
        0xA2
        0x80
        0xA0
        0x03
        0x00

        0x00
        0x01
        0xA5
        0x80
        0x30
        0x80
        0x01
        0x01

        0x00
        0x81
        0x02
        0x51
        0x01
        0x00
        0x30
        0x00
        0x30

        0x80
        0x80
        0x01
        0x00
        0x81
        0x00
        0x00
```

AssocRespUserData

The AssocRespUserData contains variable data, see "Protocol Commands" on page 65.

AssocRespPresentationTrailer

REFUSE

The following building blocks can be used to format a Refuse message:

RefuseSessionHeader

0x0C 0x03

RefuseSessionData

0x32 0x01 0x00

RefusePresentationHeader

This block is empty in the Refuse message.

Refuse User Data

This block is empty in the Refuse message.

Refuse Presentation Trailer

This block is empty in the Refuse message.

RELEASE REQUEST

The following building blocks can be used to format a Release Request message:

Release Req Session Header

```
0x09 0x18
```

ReleaseReqSessionData

This block is empty in the Release Request message.

Release Req Presentation Header

Release Req User Data

This block is empty in the Release Request message.

Release Req Presentation Trailer

```
0x00 0x00 0x00 0x00
```

RELEASE RESPONSE

The following building blocks can be used to format a Release Response message:

ReleaseRespSessionHeader

```
0x0A 0x18
```

ReleaseRespSessionData

This block is empty in the Release Response message.

Release Resp Presentation Header

Release Resp User Data

This block is empty in the Release Response message.

Release Resp Presentation Trailer

```
0x00 0x00 0x00 0x00
```

ASSOCIATION ABORT

The following building blocks can be used to format a Association Abort message:

AbortSessionHeader

0x19 0x2E

AbortSessionData

0x11 0x01 0x03

AbortPresentationHeader

```
        0xC1
        0x29
        0xA0
        0x80
        0xA0
        0x80
        0x30
        0x80

        0x02
        0x01
        0x01
        0x06
        0x02
        0x51
        0x01
        0x00

        0x00
        0x00
        0x61
        0x80
        0x30
        0x80
        0x02

        0x01
        0x01
        0x80
        0x61
        0x80
        0x30
        0x80
        0x01

        0x01
        0x00
        0x00
        0x00
        0x00
        0x00
        0x00
        0x00
```

AbortUserData

This block is empty in the Abort message.

AbortPresentationTrailer

0x00 0x00 0x00 0x00

User Data

The following section contains an example for the User Data which is contained in an Association Request message.

```
UserData
ASNLength
                length
                                      : 72
                   {0x48}
MDSEUserInfoStd
                                  : MDDL_VERSION1
ProtocolVersion protocol_version
NomenclatureVers.nomenclature_version : NOMEN_VERSION
FunctionalUnits functional_units : 0
SystemType system_type : SYST_CLIENT
StartupMode startup_mode : COLD_START
                  {0x80 0x00 0x00 0x00 0x40 0x00 0x00 0x00
                    0x20 0x00 0x00 0x00}
Option List
                                      : 0
AttributeList
                count
                length
                  \bar{\{}0x00 0x00 0x00 0x00\}
AttributeList count
                        : ±
                length
                  {0x00 0x01 0x00 0x2c}
AVAType
OIDType attribute_id
u_16 length
                                      : NOM_POLL_PROFILE_SUPPORT
                                     : 40
                 [0x00 0x01 0x00 0x28]
PollProfileSupport (attribute_val)
PollProfileRev. poll_profile_revision: POLL_PROFILE_REV_0
RelativeTime min_poll_period : 800000 u_32 max_mtu_rx : 1000
              max_mtu_tx : 1000
max_bw_tx : 0xffff 0xffff
cotions : 0x6000 0x0000
cotions : 0x6000 0x0000
u_32
u_32
PollProfileOpt. options
                   {0x80 0x00 0x00 0x00 0x00 0x00 0x09 0xc4
                    0x00 0x00 0x09 0xc4 0x00 0x00 0x03 0xe8
                    0xff 0xff 0xff 0xff 0x60 0x00 0x00 0x00}
Optional Packages
AttributeList
                count
                length
                  {0x00 0x01 0x00 0x0c}
AVAType
                attribute_id
OIDType
                                      : NOM_ATTR_POLL_PROFILE_EXT
                length
u_16
                     {0xf0 0x01 0x00 0x08}
PollProfileExt (attribute_val)
PollProfileExtOpt.options
                                      : POLL_EXT_PERIOD_NU_AVG_60SEC
                                    : 0
AttributeList
                 count
                                      : 0
                 length
```

With this User Data, the length field of the Presentation Header must be set to 220 (0xDC) and the length field of the Session Header must be set to 236 (0xEC).