1 Overview 1-1

2 Communication Protocol Layers 2-1

3 System Setup..... 3-1

4 Message Frame..... 4-1

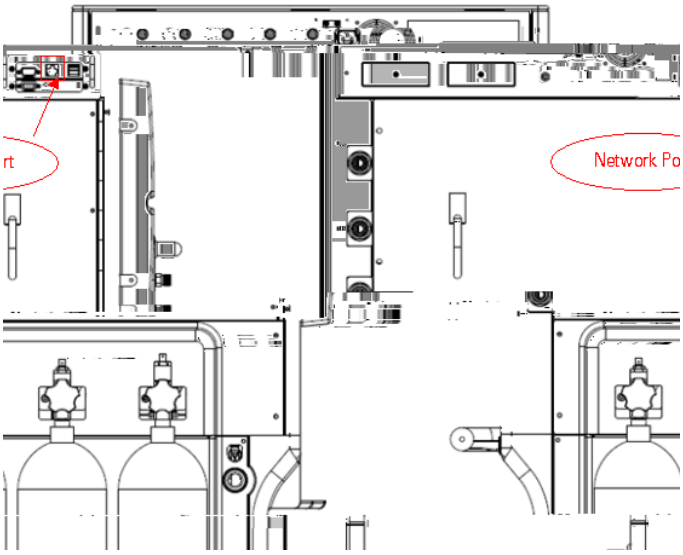
5 A-Series Export Protocol 5-1

6 Time Synchronization 6-1

A CRC Calculation..... A-1

B A-Series HL7 Export Nomenclature B-1

C A-Series HL7 Simulator Instructions C-1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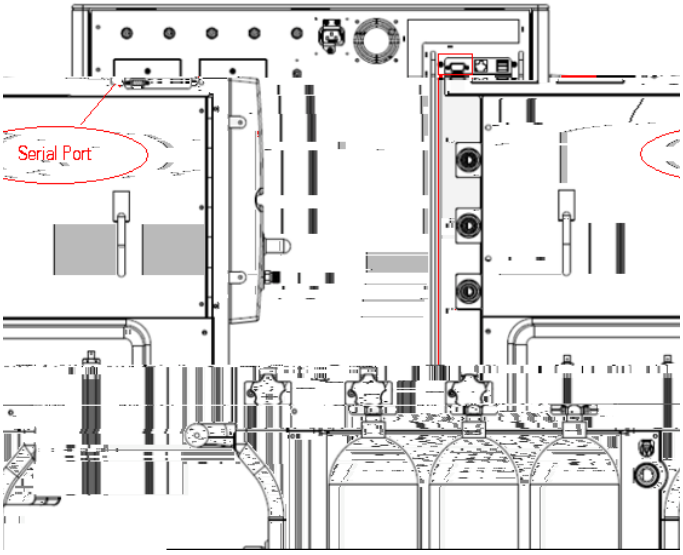
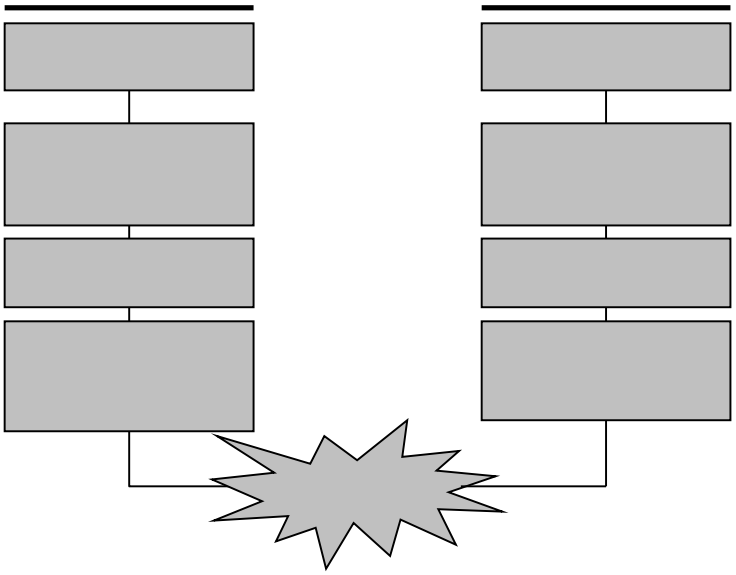
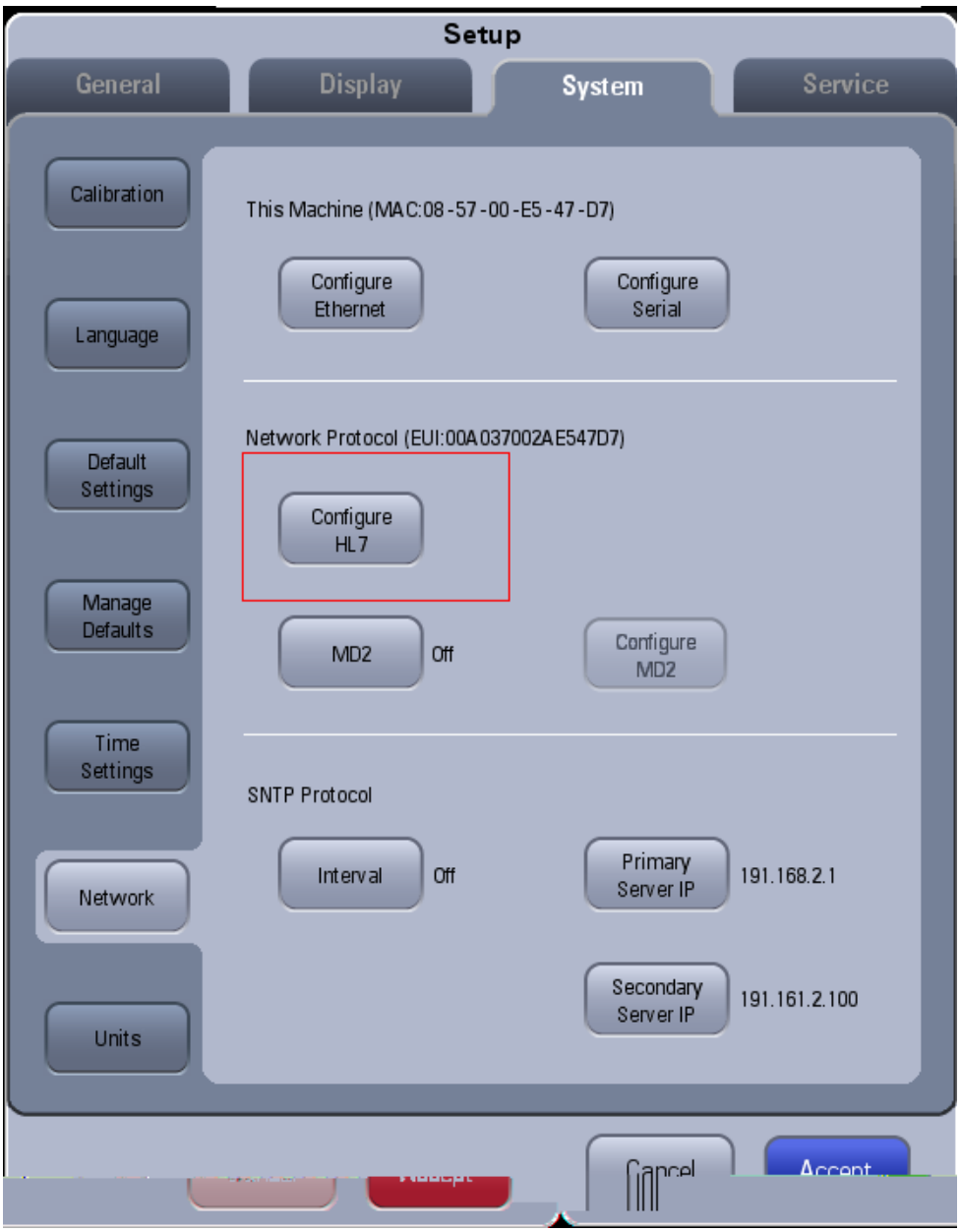
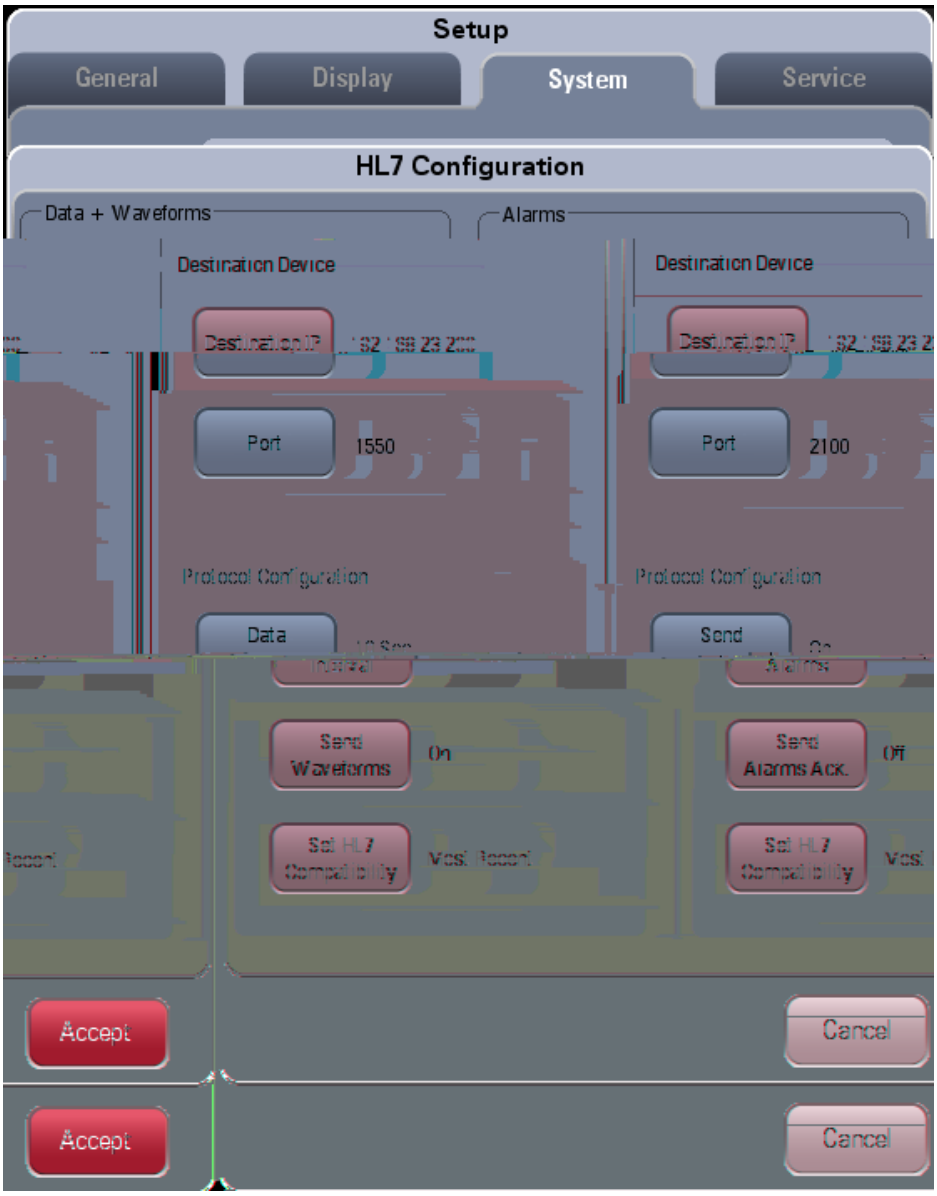
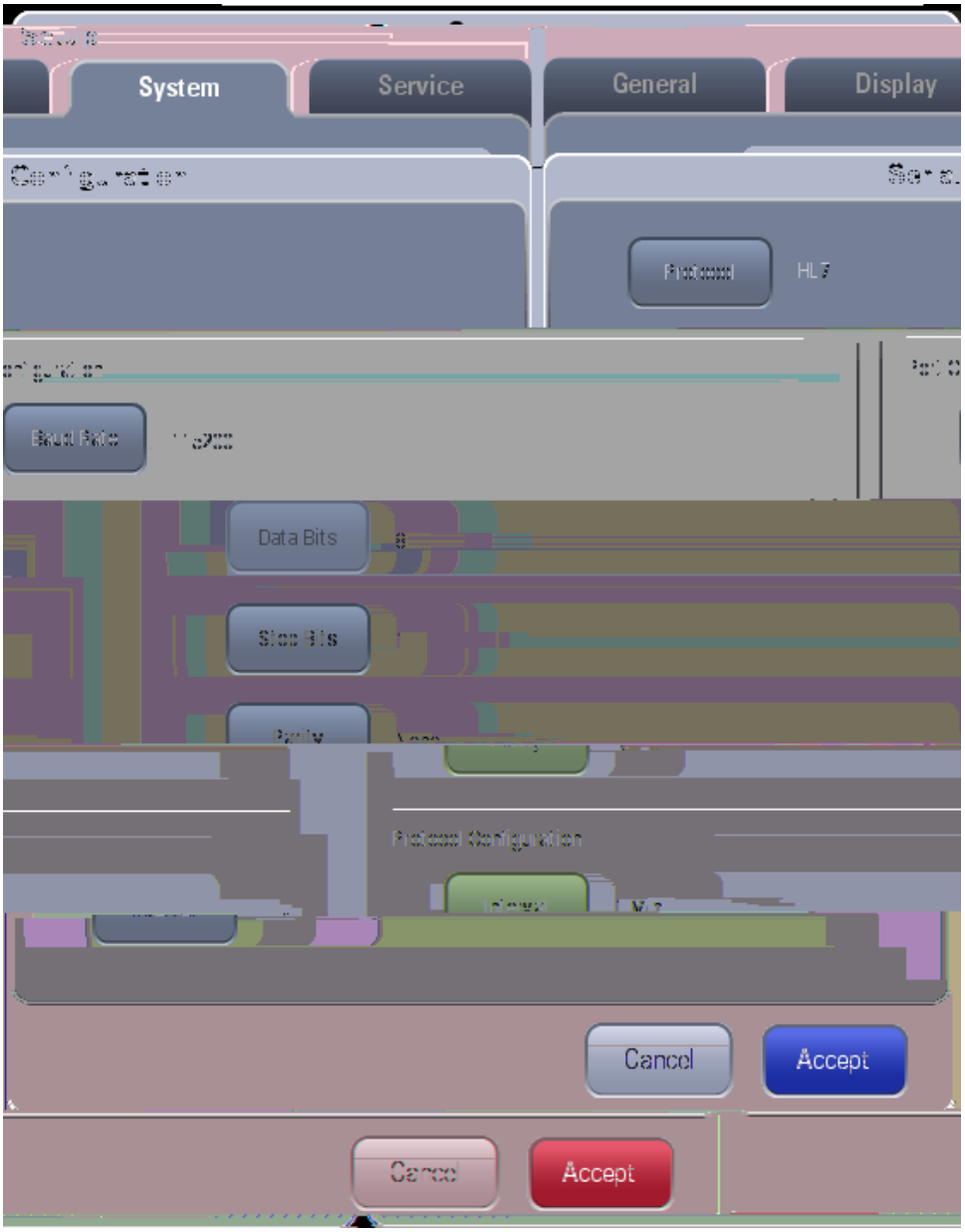
Network Po

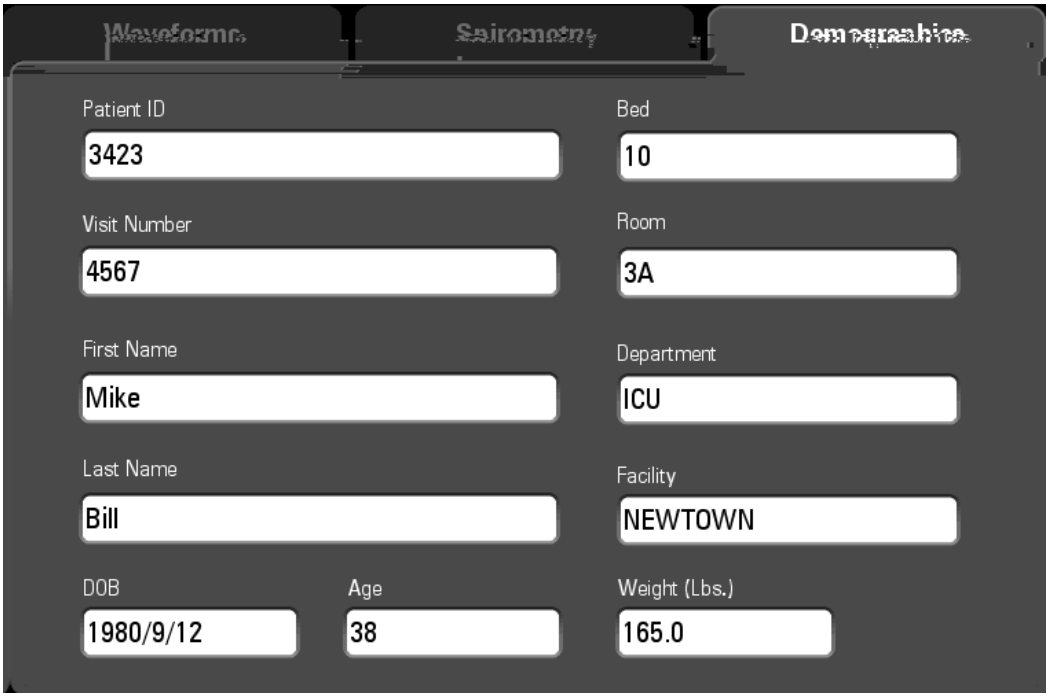

Serial Port

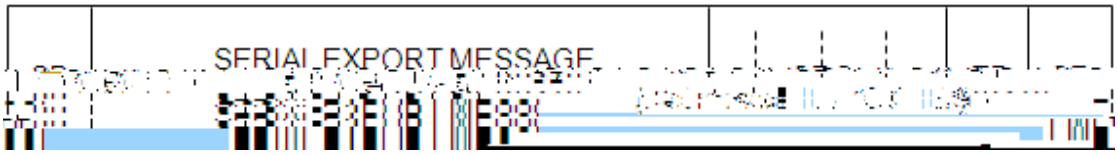



Setup
General
Display
System
Service
Calibration
Language
Default Settings
Manage Defaults
Time Settings
Network
Units
This Machine (MAC:08-57-00-E5-47-D7)
Configure Ethernet
Configure Serial
Network Protocol (EUI:00A037002AE547D7)
Configure HL7
MD2
Off
Configure MD2
SNTP Protocol
Interval
Off
Primary Server IP
191.168.2.1
Secondary Server IP
191.161.2.100
Cancel
Accept

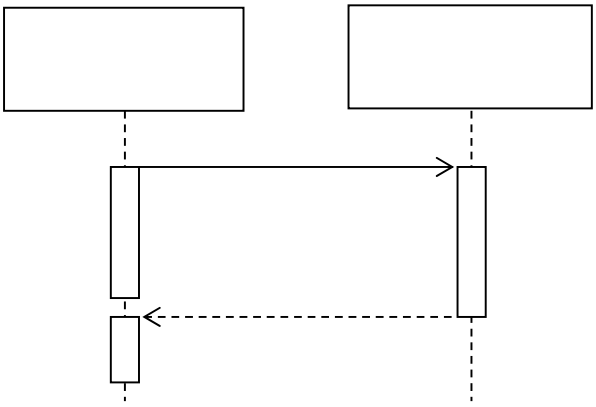

Setup
General
Display
System
Service
HL7 Configuration
Data + Waveforms
Alarms
Destination Device
Port
1550
Destination Device
Port
2100
Protocol Configuration
Data
Protocol Configuration
Send
Send Waveforms
On
Send Alarms Ack.
Off
Accept
Cancel
Accept
Cancel

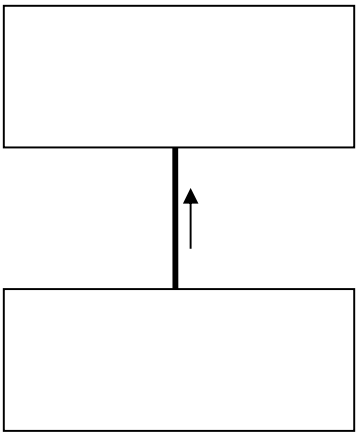

System
Service
General
Display
HL7
Data Bits
Cancel
Accept
Cancel
Accept

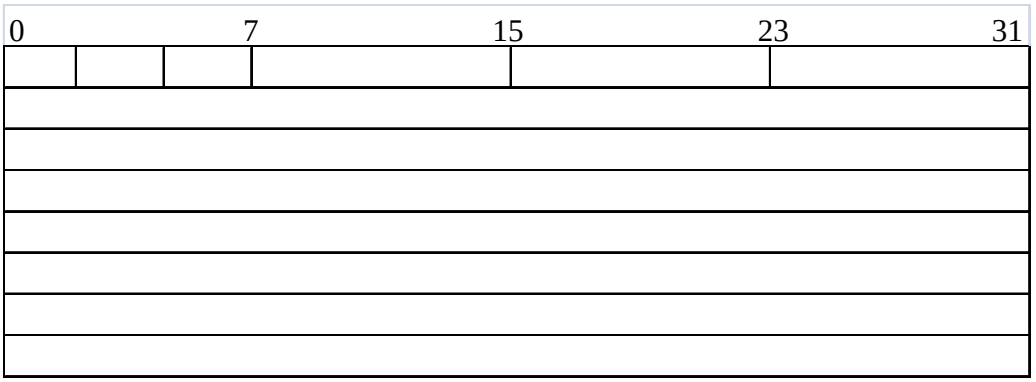

Waveforms
Spirometry
Demographics
Patient ID
3423
Bed
10
Visit Number
4567
Room
3A
First Name
Mike
Department
ICU
Last Name
Bill
Facility
NEWTOWN
DOB
1980/9/12
Age
38
Weight (Lbs.)
165.0


SERIAL EXPORT MESSAGE

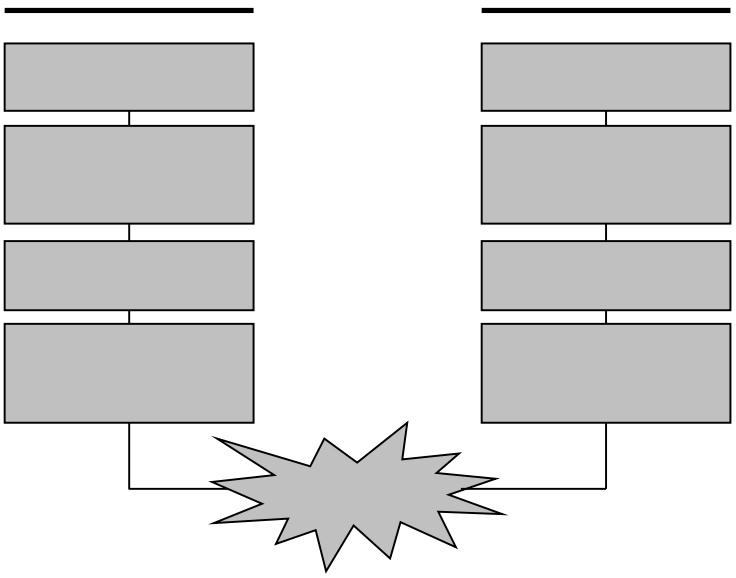
NETWORK EXPORT MESSAGE

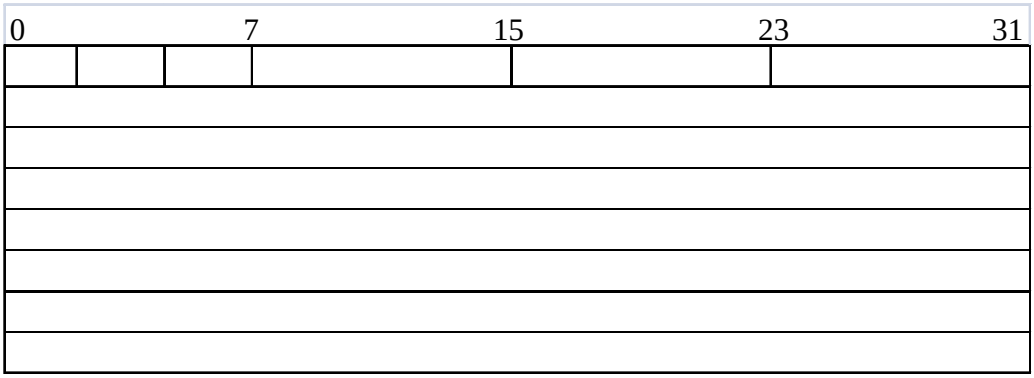


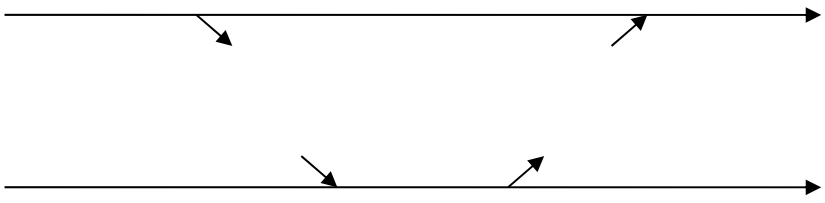




RFC 2030 Simple Network Protocol”.







Note: for time calibration algorithm, refer to “RFC 2030 Simple Network Protocol”

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