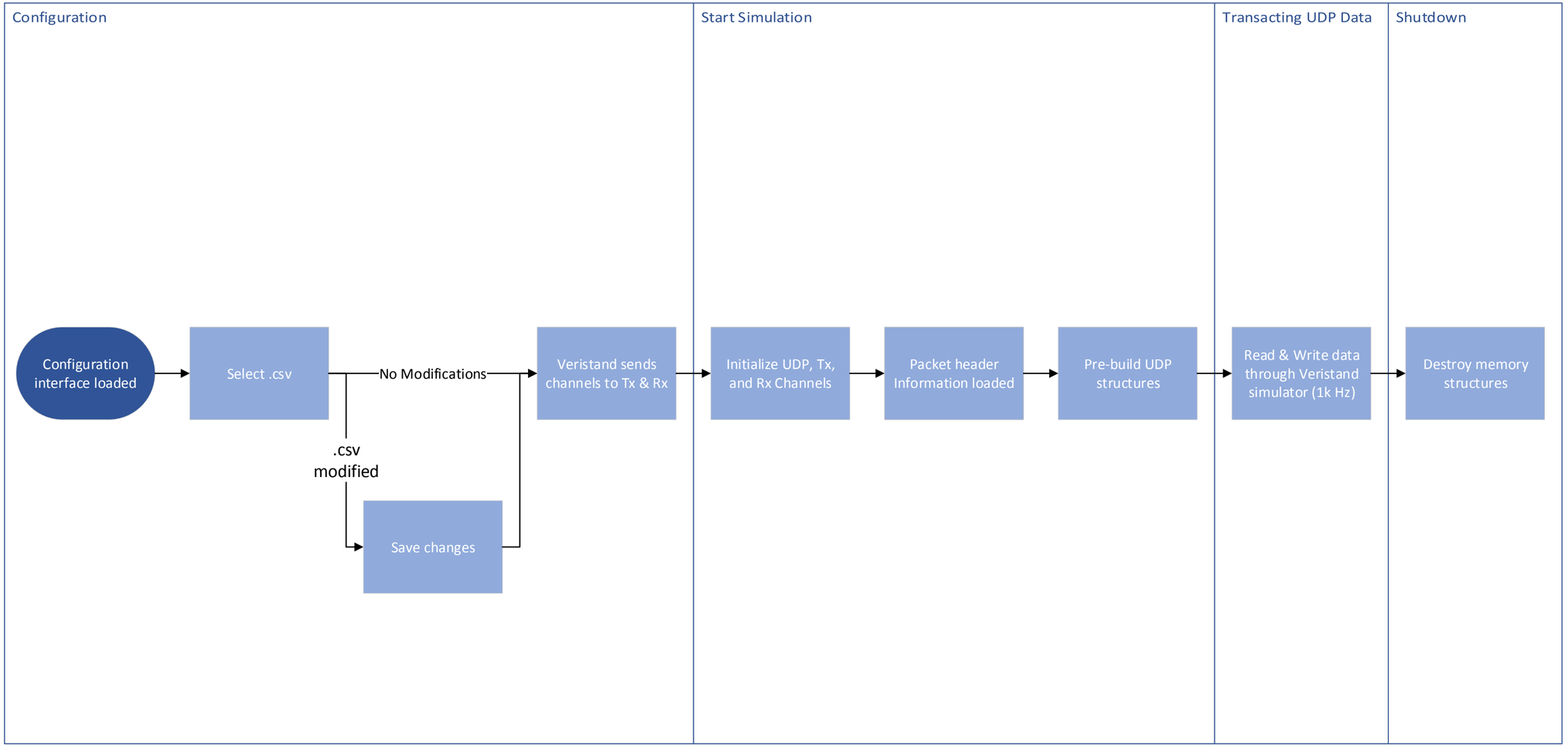
Configuration
Start Simulation
Transacting UDP Data
Shutdown
Configuration interface loaded
Select .csv
No Modifications
.csv modified
Save changes
Veristand sends channels to Tx & Rx
Initialize UDP, Tx, and Rx Channels
Packet header Information loaded
Pre-build UDP structures
Read & Write data through Veristand simulator (1k Hz)
Destroy memory structures

Packet Header Definition

Parameter	Description
Packet Size Type: U16	This is the number of bytes in the corresponding packet. It includes both packet header and channel data when calculating number of bytes.
Protocol ID Type: U8	Used to track the revision of the Packet Data Structure's definition. Should statically be set to a value of 1.
Protocol Revision Type: U8	Used to track the revision of the Packet Data Structure's definition. Should statically be set to a value of binary: 00010000.
Sequence Number Type: U32	For Tx packets, this is the packet number sent. It is 0 indexed. For Rx packets, this is the Tx packet number that the Rx packet is responding to.
System Definition Version Type: U16	This is the version of the system definition file as found in System Explorer
Source Node Name Type: Char[32]	For Tx packets, this is the name of the NI VeriStand controller defined in the system definition. For Rx packets, the source node name is in the packet header but not used by the custom device.
Timestamp Type: DBL	For Tx packets, this is the value of the timestamp channel configured in the custom device. For Rx packets, the data Timestamp value is in the packet header but not used by the custom device.

CSV File Definition

Parameter	Description
Signal Name	Identifies for standard aerospace software systems.
Alias	The for the field when displayed in Veristand.
Data Type	What type of data the field should be processed in.
Description	A brief description of the signal name which also displays in the Veristand custom device.