

DTN-NETSIM: SOURCE & HEADER FILES

Feature	Parent Class Files	Parent Description	Parent Dependencies (BP Only)	Child Class Files	Child Description	Child Dependencies (BP Only)	References
Bundle Protocol Agent	bp-agent.cc bp-agent.h	Handles BP node services	bp-cla, bp-endpoint-id, bp-flowstats, bp-header-6, bp-bundle-store, sdnv, bp-admin-record, acs-csteb, bp-custody-signal, bp-routing-agent, bp-bundle, bp-static-routing-agent	bp-agent-6.cc bp-agent-6.h	BPv6 node services	bp-agent, bp-bundle-6, acs-cteb, bp-tcp-cla, bp-udp-cla	<ul style="list-style-type: none">• RFC 5050
				bp-agent-7.cc bp-agent-7.h	BPv7 node services	bp-agent, bp-bundle-7	<ul style="list-style-type: none">• RFC 9171
Routing Agent	bp-routing-agent.cc bp-routing-agent.h	Supplies BP routing functionality	bp-endpoint-id, bp-cla	bp-static-routing-agent.cc bp-static-routing-agent.h	Static routing functionality	bp-routing-agent, bp-cla, bp-udp-cla	<ul style="list-style-type: none">• RFC 5050• RFC 9171
Convergence Layer Adapter (CLA)	bp-cla.cc bp-cla.h	Supplies CLA functionality	bp-header-6, bp-block-header-6, codec, bp-endpoint-id, bp-bundle-6, bp-bundle-7	bp-tcp-cla.cc bp-tcp-cla.h	TCP CLA	bp-cla	<ul style="list-style-type: none">• RFC 7242
				bp-udp-cla.cc bp-udp-cla.h	UDP CLA	bp-cla	<ul style="list-style-type: none">• draft-sipos-dtn-udpcl-01
Bundle	bp-bundle.cc bp-bundle.h	Handles bundle data	bp-header, bp-block-header, bp-endpoint-id	bp-bundle-6.cc bp-bundle-6.h	Version 6 bundle handling	bp-bundle, bp-header-6, bp-block-header-6	<ul style="list-style-type: none">• RFC 5050
				bp-bundle-7.cc bp-bundle-7.h	Version 7 bundle handling	bp-bundle, bp-header-7, bp-block-header-7	<ul style="list-style-type: none">• RFC 9171
Primary Block Header	bp-header.cc bp-header.h	Handles BP primary block header format	bp-endpoint-id, sdnv	bp-header-6.cc bp-header-6.h	BPv6 primary block header format	bp-header, bp-endpoint-id, sdnv	<ul style="list-style-type: none">• RFC 5050
				bp-header-7.cc bp-header-7.h	BPv7 primary block header format	bp-header, bp-endpoint-id, codec	<ul style="list-style-type: none">• RFC 9171
Payload Block Header	bp-block-header.cc bp-block-header.h	Handles BP payload block header format		bp-block-header-6.cc bp-block-header-6.h	BPv6 payload block header format	bp-block-header, sdnv	<ul style="list-style-type: none">• RFC 5050
				bp-block-header-7.cc bp-block-header-7.h	BPv7 payload block header format	bp-block-header, codec	<ul style="list-style-type: none">• RFC 9171
Bundle Store	bp-bundle-store.cc bp-bundle-store.h	Handles general bundle storage	bp-bundle, bp-header, bp-cla, bp-endpoint-id				<ul style="list-style-type: none">• RFC 5050• RFC 9171
Flow Statistics	bp-flowstats.cc bp-flowstats.h	Handles BP flow classifier	bp-bundle, bp-endpoint-id				
Endpoint ID	bp-endpoint-id.cc bp-endpoint-id.h	Endpoint ID data structure					<ul style="list-style-type: none">• RFC 5050• RFC 9171
Self-Delimiting Numeric Values (SDNV)	sdnv.cc sdnv.h	SDNV serialization functionality					<ul style="list-style-type: none">• RFC 6256
Aggregated Custody Signal (ACS) / Custody Transfer Enhancement Block (CTEB)	acs-csteb.h	Handles ACS functionality and custody transfer blocks					<ul style="list-style-type: none">• CCSDS 734.2-B-I
Custody Signal	bp-custody-signal.h	Handles custody signal functionality	sdnv				<ul style="list-style-type: none">• RFC 5050
Administrative Record	bp-admin-record.h	Handles status report and custody signal format					<ul style="list-style-type: none">• RFC 5050• RFC 9171
Concise Binary Object Representation (CBOR)	codec.h	CBOR serialization functionality					<ul style="list-style-type: none">• https://bitbucket.org/iso-de/cbor-lite/src/master/• RFC 7049