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ENUM Master List

LONMARK®
ENUM Master List

Contents

Enumeration Master List Introduction

Standard enumeration types facilitate interoperability by providing standard definitions for enumerated values used for communication between devices or for configuring a device.
This document provides information on all available standard enumeration types. A standard enumeration type index is defined for each standard enumeration type that is used when defining enumeration type references in SNVT and SCPT definitions. The enumeration type names are provided for use in network and development tools.

address_type_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*81*		
Headerfile:	*snvt_da.h*		
Values:	DA_NUL	-1	Invalid value; this enumeration is not currently used in any SNVTs or SCPTs
	DA_SN	1	Device address as subnet/node address
	DA_NI	2	Device address as unique node ID address
Used by:	*SCPTdevListEntry*		

aham_appl_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*67*		
Headerfile:	*SNVT_AHM.h*		
Values:	AHAM_NUL	-1	Invalid Value
	AHAM_CLOTHES_WASHER	0	Clothes Washer
	AHAM_REFRIGERATOR_FREEZER	1	Refrigerator Freezer
	AHAM_CLOTHES_DRYER	2	Clothes Dryer
	AHAM_DISHWASHER	3	Dishwasher
	AHAM_RANGE_OVEN_COOKTOP	4	Range Oven Cooktop
	AHAM_COUNTERTOP_MICROWAVE_OVEN	5	Countertop Microwave Oven
	AHAM_ROOM_AIR_CONDITIONER	6	Room Air Conditioner
Used by:	*SCPTahamApplianceModel*		

alarm_type_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*7*		
Headerfile:	*snvt_al.h*		
Values:	AL_HEADER	-13	Update sequence header
	AL_FOOTER	-12	Update sequence footer

AL_DEBUG	-11	Debug information (not an alarm)
AL_INFO	-10	Information update (not an alarm)
AL_SYSTEM_INFO	-6	System information (not an alarm)
AL_VALUE_INVALID	-5	The value is invalid
AL_CONSTANT	-4	The value is a constant value (not an alarm)
AL_OFFLINE	-3	The device is offline
AL_UNKNOWN	-2	Alarm condition unknown (may be due to a communication failure or hardware failure)
AL_NUL	-1	Invalid alarm type value (alarm condition not specified)
AL_NO_CONDITION	0	No alarm condition present
AL_ALM_CONDITION	1	Unspecified alarm condition present
AL_TOT_SVC_ALM_1	2	Total/service interval alarm 1 (component requires service or maintenance)
AL_TOT_SVC_ALM_2	3	Total/service interval alarm 2
AL_TOT_SVC_ALM_3	4	Total/service interval alarm 3
AL_LOW_LMT_CLR_1	5	Alarm low limit alarm clear 1
AL_LOW_LMT_CLR_2	6	Alarm low limit alarm clear 2
AL_HIGH_LMT_CLR_1	7	Alarm high limit alarm clear 1
AL_HIGH_LMT_CLR_2	8	Alarm high limit alarm clear 2
AL_LOW_LMT_ALM_1	9	Alarm low limit alarm 1
AL_LOW_LMT_ALM_2	10	Alarm low limit alarm 2
AL_HIGH_LMT_ALM_1	11	Alarm high limit alarm 1
AL_HIGH_LMT_ALM_2	12	Alarm high limit alarm 2
AL_FIR_ALM	13	Fire alarm condition
AL_FIR_PRE_ALM	14	Fire pre-alarm condition
AL_FIR_TRBL	15	Fire-related trouble (fault) condition
AL_FIR_SUPV	16	Fire-related supervisory condition (e.g., sprinkler pressure)
AL_FIR_TEST_ALM	17	Fire-related test-mode alarm condition
AL_FIR_TEST_PRE_ALM	18	Fire-related test-mode pre-alarm condition
AL_FIR_ENVCOMP_MAX	19	Fire-related maximum environmental compensation level reached
AL_FIR_MONITOR_COND	20	Fire-related abnormal input condition
AL_FIR_MAINT_ALERT	21	Fire-related maintenance alert
AL_FATAL_ERROR	30	Fatal application error
AL_ERROR	31	Other error condition
AL_WARNING	32	Other warning condition

Used by: *SNVT_alarm SNVT_alarm_2*

appl_cwc_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*63*		
Headerfile:	*SNVT_CWC.h*		
Values:	CWC_NUL	-1	Invalid Value
	CWC_WASH	0	Wash
	CWC_RINSE	1	Rinse
	CWC_SPIN	2	Spin
	CWC_DRY	3	Dry
Used by:	*SNVT_clothes_w_c SNVT_clothes_w_s*		

appl_cwp_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*65*		
Headerfile:	*SNVT_CWP.h*		
Values:	CWP_NUL	-1	Invalid Value
	CWP_GENERAL	0	Normal Wash
	CWP_BOIL	1	Boil
	CWP_FAST_WASH	2	Fast Wash
	CWP_LINGERIE	3	Lingerie
	CWP_WOOL	4	Wool
	CWP_TOWEL	5	Towel
	CWP_BED_LINENS	6	Bed Linens
	CWP_CURTAIN	7	Curtain
	CWP_RINSE_SPIN_ONLY	8	Rinse and Spin Only
	CWP_DELICATE_RINSE	9	Delicate Rinse
	CWP_SPIN_ONLY	10	Spin Only
	CWP_DRY_ONLY	11	Dry Only
Used by:	*SNVT_clothes_w_c*		

appl_cws_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*64*		
Headerfile:	*SNVT_CWS.h*		
Values:	CWS_NUL	-1	Invalid Value
	CWS_LOAD_SENSING	0	Sensing Load
	CWS_WETTING	1	Wetting
	CWS_DETERGENT	2	Detergent
	CWS_WASHING	3	Washing
	CWS_WATERING	4	Watering
	CWS_RINSING	5	Rinsing
	CWS_ARRANGING	6	Arranging
	CWS_DRAIN	7	Drain
	CWS_SPINNING	8	Spinning
	CWS_FINAL_SPINNING	9	In Final Spin
	CWS_FLUFFING	10	Fluffing
	CWS_DRYING	11	Drying
	CWS_COOLING	12	Cooling
Used by:	*SNVT_clothes_w_c SNVT_clothes_w_s*		

appl_rin_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*66*		
Headerfile:	*SNVT_RIN.h*		
Values:	RIN_NUL	-1	Invalid Value
	RIN_PRE_WASH	0	Pre-wash
	RIN_WATER_PLUS	1	Water Plus
	RIN_DETERGENT_PLUS	2	Detergent Plus
	RIN_RINSE_HOLD	3	Rinse Hold
Used by:	*SNVT_clothes_w_c*		

boolean_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*41*		
Headerfile:	*snvt_bln.h*		
Values:	BOOL_NUL	-1	Invalid Value

BOOL_FALSE	0	False
BOOL_TRUE	1	True

Used by: *SCPTautoAnswer SCPTcoolingResetEnable SCPTcurrentSenseEnable SCPTdefrostHold SCPTdefrostInternalSchedule SCPTheatingResetEnable SCPThighLimit1Enable SCPThighLimit2Enable SCPTlowLimit1Enable SCPTlowLimit2Enable SCPTscheduleInternal SNVT_clothes_w_c SNVT_pump_sensor SNVT_pumpset_mn SNVT_pumpset_sn*

button_action_t

Details:

Resource Set: *Standard 00:00:00:00:00:00:00:00-0*

Index: *68*

Headerfile: *snvt_bta.h*

Values:

BTA_NUL	-1	Invalid value
BTA_TOGGLE_STATE	0	Toggle on-off state; same action as SW_SET_OFF if the on/off state was on, and SW_SET_ON if the on/off state was off; ignored for blinds, drapes, shades, and fans
BTA_TOGGLE_SCENE	1	Toggle on-off state if specified scene is the current scene; recall the state from the specified scene if the scene is new
BTA_SET_STATE_ON	2	Set the state to on; ignored for blinds, drapes, shades, and fans
BTA_RECALL_SCENE	3	Recall a scene
BTA_SET_STATE_OFF	4	Set the state to off; ignored for blinds, drapes, shades, and fans
BTA_SET_OCCUPIED	5	Set the occupancy state
BTA_CLEAR_OCCUPIED	6	Clear the occupancy state
BTA_SET_UNOCCUPIED	7	Set the unoccupied state
BTA_CLEAR_UNOCCUPIED	8	Clear the unoccupied state
BTA_SET_LEVEL	9	Set the level to the specified value; ignored for blinds, drapes, shades, and fans
BTA_SET_UP_DIRECTION	10	Set ceiling fan direction to up, with specified level
BTA_SET_DOWN_DIRECTION	11	Set ceiling fan direction to down, with specified level
BTA_INCREASE	12	Increase the level by specified amount; ignored for blinds, drapes, shades, and fans
BTA_DECREASE	13	Decrease the level by the specified amount; ignored for blinds, drapes,

		shades, and fans
BTA_CYCLE	14	Same as increase until 100% is reached, then same as decrease until 0% is reached, then repeat; ignored for blinds, drapes, shades, and fans;
BTA_ROTATE_OPEN	15	Rotate blinds open by the setting
BTA_ROTATE_CLOSED	16	Rotate blinds closed by the setting
BTA_SET_ANGLE	17	Set the rotation angle of blinds to the setting
BTA_TOGGLE_DIRECTION	18	Toggle ceiling fan direction, with specified level
BTA_TOGGLE_OCCUPANCY	19	Toggle the occupancy state
BTA_LEARN_SCENE	20	Learn a scene from current settings
BTA_SET_STANDBY	21	Set standby mode
BTA_CLEAR_STANDBY	22	Clear standby mode
BTA_TOGGLE_STANDBY	23	Toggle standby mode
BTA_SET_FAN_ON	24	Set the fan state to on
BTA_SET_FAN_OFF	25	Set the fan state to off
BTA_TOGGLE_FAN_STATE	26	Toggle the fan on-off state
BTA_INCREASE_FAN_LEVEL	27	Increase fan speed by the specified amount
BTA_DECREASE_FAN_LEVEL	28	Decrease fan speed by the specified amount
BTA_CYCLE_FAN_LEVEL	29	Increase fan speed by the specified amount until the level reaches 100%, then decrease the fan speed by the specified amount
BTA_MOVE_OPEN	30	Move blinds, drapes, or shades open by the specified amount
BTA_MOVE_CLOSED	31	Move blinds, drapes, or shades open by the specified amount
BTA_SET_POSITION	32	Set blinds, drapes, or shades to the specified position; 100% is fully open, 0% is fully closed
BTA_STOP	33	Stop any motion of blinds, drapes, or shades
BTA_TOGGLE_GROUP	34	Toggle group state
BTA_ENABLE_GROUP	35	Enable a group; all groups are enabled by default
BTA_DISABLE_GROUP	36	Disable a group
BTA_INCREASE_HUE	37	Increase hue
BTA_DECREASE_HUE	38	Decrease hue
BTA_SET_DR_EVENT	39	Set demand-response mode
BTA_CLEAR_DR_EVENT	40	Clear demand-response mode
BTA_TOGGLE_DR_EVENT	41	Toggle demand-response mode

Used by: *SCPTbuttonHoldAction SCPTbuttonPressAction*

calendar_type_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*29*		
Headerfile:	*snvt_cal.h*		
Values:	CAL_NUL	-1	Invalid Value
	CAL_GREG	0	Gregorian calendar
	CAL_JUL	1	Julian calendar
	CAL_MEU	2	Calendar Method European/US "MEU"
Used by:	*SNVT_time_zone*		

cam_act_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*38*		
Headerfile:	*snvt_cma.h*		
Values:	CMA_NUL	-1	Invalid action call response
	CMA_SAVE	0	Save the values defined by the function
	CMA_CALL	1	Preposition tour tables
	CMA_READ	2	Absolute positions
Used by:	*SNVT_pos_ctrl*		

cam_func_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*37*		
Headerfile:	*snvt_cmf.h*		
Values:	CMF_NUL	-1	Invalid function call response
	CMF_REL	0	Relative positions, prepositions
	CMF_TOUR	1	Preposition tour tables
	CMF_ABS	2	Absolute positions

Used by: *SNVT_pos_ctrl*

char_encoding_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*69*		
Headerfile:	*snvt_ce.h*		
Values:	CE_NUL	-1	Invalid value
	CE_UTF_8	0	UTF-8 encoding
	CE_UTF_16	1	UTF-16 encoding
	CE_GB18030	2	GB18030 encoding
Used by:	*SCPTname1 SCPTsceneName*		

chiller_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*25*		
Headerfile:	*snvt_chl.h*		
Values:	CHLR_NUL	-1	Invalid Value
	CHLR_OFF	0	Chiller off
	CHLR_START	1	Chiller in start mode
	CHLR_RUN	2	Chiller in run mode
	CHLR_PRESHUTDN	3	Chiller in pre shutdown mode
	CHLR_SERVICE	4	Chiller in service mode
Used by:	*SNVT_chlr_status*		

color_encoding_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*72*		
Headerfile:	*snvt_color.h*		
Values:	COLOR_NUL	-1	Invalid value
	COLOR_CIE31_LUMEN	0	CIE 1931 color space; Y output in lumen
	COLOR_CIE31_PERCENT	1	CIE 1931 color space; Y output in percent of maximum lumen output of the

			lamp
	COLOR_RGB	2	No color space, RGB color value
	COLOR_TEMPERATURE	3	Color temperature
Used by:	*SNVT_color_2*		

config_source_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*4*		
Headerfile:	*snvt_cfg.h*		
Values:	CFG_NUL	-1	Invalid Value
	CFG_LOCAL	0	Device will use self-installation functions to set its own network image
	CFG_EXTERNAL	1	Device's network image will be set by an outside source
Used by:	*SNVT_config_src*		

control_resp_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*32*		
Headerfile:	*snvt_crs.h*		
Values:	CTRLR_NUL	-1	Invalid value
	CTRLR_NO	0	Number of current controller
	CTRLR_PEND	1	Request pending due to control query to current operator
	CTRLR_REL	2	Current control released
	CTRLR_QUERY	3	Query to current controller
	CTRLR_RES	4	Controllable device has been reset
	CTRLR_ERR	5	Error in control
Used by:	*SNVT_ctrl_resp*		

currency_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*

Index: *9*

Headerfile: *snvt_cu.h*

Values:

CU_NUL	-1	Invalid Value
CU_ARGENTINA_PESO	0	Argentine Peso
CU_AUSTRALIA_DOLLAR	1	Australian Dollar
CU_AUSTRIA_SCHILLING	2	Austrian Schilling
CU_BAHRAIN_DINAR	3	Bahraini Dinar
CU_BELGIUM_FRANC	4	Belgian Franc
CU_BRAZIL_CRUZEIRO_REAL	5	Brazilian Cruzeiro Real
CU_BRITAIN_POUND	6	British Pound
CU_CANADA_DOLLAR	7	Canadian Dollar
CU_CZECH_KORUNA	8	Czechoslovakian Koruna
CU_CHILE_PESO	9	Chilean Peso
CU_CHINA_RENMINBI	10	Chinese Renminbi Yuan
CU_COLOMBIA_PESO	11	Colombian Peso
CU_DENMARK_KRONE	12	Danish Krone
CU_ECUADOR_SUCRE	13	Ecuadorian Sucre
CU_EUROPEAN_CURRENCY_UNIT	14	European Euro
CU_FINLAND_MARKKA	15	Finnish Markka
CU_FRANCE_FRANC	16	French Franc
CU_GERMANY_MARK	17	German Mark
CU_GREECE_DRACHMA	18	Greek Drachma
CU_HONG_KONG_DOLLAR	19	Hong Kong Dollar
CU_HUNGARY_FORINT	20	Hungarian Forint
CU_INDIA_RUPEE	21	Indian Rupee
CU_INDONESIA_RUPIAH	22	Indonesian Rupiah
CU_IRELAND_PUNT	23	Irish Punt
CU_ISRAEL_SHEKEL	24	Israeli Shekel
CU_ITALY_LIRA	25	Italian Lira
CU_JAPAN_YEN	26	Japanese Yen
CU_JORDAN_DINAR	27	Jordanian Dinar
CU_KUWAIT_DINAR	28	Kuwaiti Dinar
CU_LEBANON_POUND	29	Lebanese Pound
CU_MALAYSIA_RINGGIT	30	Malaysian Ringgit
CU_MALTA_LIRA	31	Maltese Lira
CU_MEXICO_PESO	32	Mexican New Peso
CU_NETHERLANDS_GUILDER	33	Netherlands Guilder
CU_NEW_ZEALAND_DOLLAR	34	New Zealand Dollar
CU_NORWAY_KRONE	35	Norwegian Krone
CU_PAKISTAN_RUPEE	36	Pakistani Rupee
CU_PERU_NEW_SOL	37	Peruvian New Sol

CU_PHILIPPINES_PESO	38	Philippine Peso
CU_POLAND_ZLOTY	39	Polish Zloty
CU_PORTUGAL_ESCUDO	40	Portuguese Escudo
CU_SAUDI_ARABIA_RIYAL	41	Saudi Arabian Riyal
CU_SINGAPORE_DOLLAR	42	Singaporean Dollar
CU_SLOVAK_KORUNA	43	Slavic Koruna
CU_SOUTH_AFRICA_RAND	44	South African Rand
CU_SOUTH_KOREA_WON	45	South Korean Won
CU_SPAIN_PESETA	46	Spanish Peseta
CU_SPECIAL_DRAWING_RIGHTS	47	international governmental exchange
CU_SWEDEN_KRONA	48	Swedish Krona
CU_SWITZERLAND_FRANC	49	Swiss Franc
CU_TAIWAN_DOLLAR	50	Taiwanese Dollar
CU_THAILAND_BAHT	51	Thai Baht
CU_TURKEY_LIRA	52	Turkish Lira
CU_UNITED_ARAB_DIRHAM	53	United Arab Emirates Dirham
CU_UNITED_STATES_DOLLAR	54	United States Dollar
CU_URUGUAY_NEW_PESO	55	Uruguayan New Peso
CU_VENEZUELA_BOLIVAR	56	Venezuelan Bolivar

Used by: *SNVT_currency*

days_of_month_t

Details:

Resource Set: *Standard 00:00:00:00:00:00:00:00-0*

Index: *54*

Headerfile: *snvt_dm.h*

Values:

DM_NUL	-1	Invalid value
DM_EVERY_DAY	0	Every day of month
DM_DAY_1	1	First day of month
DM_DAY_2	2	Second day of month
DM_DAY_3	3	Third day of month
DM_DAY_4	4	Fourth day of month
DM_DAY_5	5	Fifth day of month
DM_DAY_6	6	Sixth day of month
DM_DAY_7	7	Seventh day of month
DM_DAY_8	8	Eighth day of month
DM_DAY_9	9	Ninth day of month
DM_DAY_10	10	Tenth day of month

DM_DAY_11	11	Eleventh day of month
DM_DAY_12	12	Twelfth day of month
DM_DAY_13	13	Thirteenth day of month
DM_DAY_14	14	Fourteenth day of month
DM_DAY_15	15	Fifteenth day of month
DM_DAY_16	16	Sixteenth day of month
DM_DAY_17	17	Seventeenth day of month
DM_DAY_18	18	Eighteenth day of month
DM_DAY_19	19	Nineteenth day of month
DM_DAY_20	20	Twentieth day of month
DM_DAY_21	21	Twenty-first day of month
DM_DAY_22	22	Twenty-second day of month
DM_DAY_23	23	Twenty-third day of month
DM_DAY_24	24	Twenty-fourth day of month
DM_DAY_25	25	Twenty-fifth day of month
DM_DAY_26	26	Twenty-sixth day of month
DM_DAY_27	27	Twenty-seventh day of month
DM_DAY_28	28	Twenty-eighth day of month
DM_DAY_29	29	Twenty-ninth day of month
DM_DAY_30	30	Thirtieth day of month
DM_DAY_31	31	Thirty-first day of month
DM_LAST_DAY_OF_MONTH	32	Last day of month
DM_LAST_SECOND_DAY	33	Second to last day of month
DM_LAST_THIRD_DAY	34	Third to last day of month
DM_LAST_4TH_DAY	35	Fourth to last day of month
DM_LAST_5TH_DAY	36	Fifth to last day of month
DM_LAST_6TH_DAY	37	Sixth to last day of month
DM_LAST_7TH_DAY	38	Seventh to last day of month
DM_LAST_8TH_DAY	39	Eighth to last day of month
DM_LAST_9TH_DAY	40	Ninth to last day of month
DM_LAST_10TH_DAY	41	Tenth to last day of month
DM_LAST_11TH_DAY	42	Eleventh to last day of month
DM_LAST_12TH_DAY	43	Twelfth to last day of month
DM_LAST_13TH_DAY	44	Thirteenth to last day of month
DM_LAST_14TH_DAY	45	Fourteenth to last day of month
DM_LAST_15TH_DAY	46	Fifteenth to last day of month
DM_LAST_16TH_DAY	47	Sixteenth to last day of month
DM_LAST_17TH_DAY	48	Seventeenth to last day of month
DM_LAST_18TH_DAY	49	Eighteenth to last day of month
DM_LAST_19TH_DAY	50	Nineteenth to last day of month
DM_LAST_20TH_DAY	51	Twentieth to last day of month

DM_LAST_21ST_DAY	52	Twenty-first to last day of month
DM_LAST_22ND_DAY	53	Twenty-second to last day of month
DM_LAST_23RD_DAY	54	Twenty-third to last day of month
DM_LAST_24TH_DAY	55	Twenty-fourth to last day of month
DM_LAST_25TH_DAY	56	Twenty-fifth to last day of month
DM_LAST_26TH_DAY	57	Twenty-sixth to last day of month
DM_LAST_27TH_DAY	58	Twenty-seventh to last day of month
DM_LAST_28TH_DAY	59	Twenty-eighth to last day of month
DM_LAST_29TH_DAY	60	Twenty-ninth to last day of month
DM_LAST_30TH_DAY	61	Thirtieth to last day of month
DM_FIRST_SUN	62	First Sunday of month
DM_FIRST_MON	63	First Monday of month
DM_FIRST_TUE	64	First Tuesday of month
DM_FIRST_WED	65	First Wednesday of month
DM_FIRST_THU	66	First Thursday of month
DM_FIRST_FRI	67	First Friday of month
DM_FIRST_SAT	68	First Saturday of month
DM_SECOND_SUN	69	Second Sunday of month
DM_SECOND_MON	70	Second Monday of month
DM_SECOND_TUE	71	Second Tuesday of month
DM_SECOND_WED	72	Second Wednesday of month
DM_SECOND_THU	73	Second Thursday of month
DM_SECOND_FRI	74	Second Friday of month
DM_SECOND_SAT	75	Second Saturday of month
DM_THIRD_SUN	76	Third Sunday of month
DM_THIRD_MON	77	Third Monday of month
DM_THIRD_TUE	78	Third Tuesday of month
DM_THIRD_WED	79	Third Wednesday of month
DM_THIRD_THU	80	Third Thursday of month
DM_THIRD_FRI	81	Third Friday of month
DM_THIRD_SAT	82	Third Saturday of month
DM_FOURTH_SUN	83	Fourth Sunday of month
DM_FOURTH_MON	84	Fourth Monday of month
DM_FOURTH_TUE	85	Fourth Tuesday of month
DM_FOURTH_WED	86	Fourth Wednesday of month
DM_FOURTH_THU	87	Fourth Thursday of month
DM_FOURTH_FRI	88	Fourth Friday of month
DM_FOURTH_SAT	89	Fourth Saturday of month
DM_FIFTH_SUN	90	Fifth Sunday of month
DM_FIFTH_MON	91	Fifth Monday of month
DM_FIFTH_TUE	92	Fifth Tuesday of month

DM_FIFTH_WED	93	Fifth Wednesday of month
DM_FIFTH_THU	94	Fifth Thursday of month
DM_FIFTH_FRI	95	Fifth Friday of month
DM_FIFTH_SAT	96	Fifth Saturday of month
DM_LAST_SUN	97	Last Sunday of month
DM_LAST_MON	98	Last Monday of month
DM_LAST_TUE	99	Last Tuesday of month
DM_LAST_WED	100	Last Wednesday of month
DM_LAST_THU	101	Last Thursday of month
DM_LAST_FRI	102	Last Friday of month
DM_LAST_SAT	103	Last Saturday of month
DM_EVERY_SUN	104	Every Sunday of the month
DM_EVERY_MON	105	Every Monday of the month
DM_EVERY_TUE	106	Every Tuesday of the month
DM_EVERY_WED	107	Every Wednesday of the month
DM_EVERY_THU	108	Every Thursday of the month
DM_EVERY_FRI	109	Every Friday of the month
DM_EVERY_SAT	110	Every Saturday of the month
DM_EVERY_SECOND_DAY	111	Every second day (i.e. every other day) of the date
DM_EVERY_THIRD_DAY	112	Every third day of the date interval
DM_EVERY_FOURTH_DAY	113	Every fourth day of the date interval
DM_EVERY_FIFTH_DAY	114	Every fifth day of the date interval
DM_EVERY_SIXTH_DAY	115	Every sixth day of the date interval
DM_EVERY_WEEKDAY	116	Every weekday (Monday - Friday)
DM_EVERY_WEEKEND_DAY	117	Every weekend day (Saturday - Sunday)

Used by: *SCPTscheduleDates SNVT_sched_exc*

days_of_week_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*1*		
Headerfile:	*snvt_dt.h*		
Values:	DAY_NUL	-1	Invalid Value
	DAY_SUN	0	Sunday
	DAY_MON	1	Monday
	DAY_TUE	2	Tuesday
	DAY_WED	3	Wednesday

	DAY_THU	4	Thursday
	DAY_FRI	5	Friday
	DAY_SAT	6	Saturday
Used by:	*SCPTtimePeriod SNVT_date_day SNVT_time_zone*		

defrost_mode_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*22*		
Headerfile:	*snvt_dfm.h*		
Values:	DFM_NUL	-1	Invalid Value
	DFM_MODE_AMBIENT	0	No forced heating required
	DFM_MODE_FORCED	1	Start-up after defrost ignored
	DFM_MODE_SYNC	2	Synchronized
Used by:	*SNVT_defr_mode*		

defrost_state_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*24*		
Headerfile:	*snvt_dfs.h*		
Values:	DFS_NUL	-1	Invalid Value
	DFS_STANDBY	0	Defrost in standby
	DFS_PUMPDOWN	1	Defrost in pump-down mode
	DFS_DEFROST	2	In defrost mode
	DFS_DRAINDOWN	3	Defrost in drain-down
	DFS_INJECT_DLY	4	Defrost in injection delay
Used by:	*SNVT_defr_state*		

defrost_term_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*
Index:	*23*
Headerfile:	*snvt_dft.h*

Values:	DFT_NUL	-1	Invalid Value
	DFT_TERM_TEMP	0	Terminate on temperature
	DFT_TERM_TIME	1	Terminate on time
	DFT_TERM_FIRST	2	Terminate on first occurring
	DFT_TERM_LAST	3	Terminate on last occurring
	DFT_TERM_SENSOR	4	Terminate on sensor
	DFT_TERM_DISCHARGE	5	Terminate on discharge
	DFT_TERM_RETURN	6	Terminate on return
	DFT_TERM_SW_OPEN	7	Terminate on "Switch Open"
	DFT_TERM_SW_CLOSE	8	Terminate on "Switch Closed"
	DFT_TERM_MANUF	100	Manufacturer-Defined termination state
Used by:	*SNVT_defr_term*		

device_c_mode_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*44*		
Headerfile:	*snvt_dcm.h*		
Values:	DCM_NUL	-1	Invalid Value
	DCM_SPEED_CONST	0	
	DCM_PRESS_CONST	1	
	DCM_PRESS_COMP	2	
	DCM_FLOW_CONST	3	
	DCM_FLOW_COMP	4	
	DCM_TEMP_CONST	5	
	DCM_TEMP_COMP	6	
	DCM_PRESS_AUTO	7	
	DCM_QUICK_OPEN	20	Valve works with Quick-Open flow characteristic
	DCM_LINEAR	21	Valve works with Linear flow characteristic
	DCM_EQUAL_PERCENT	22	Valve works with Equal Percent flow characteristic
	DCM_QUADRATIC	23	Valve works with Quadratic flow characteristic
	DCM_FREE_DEFINED	24	Valve works with free defined flow characteristic
	DCM_2WAY_VALVE	27	
	DCM_MIXING_VALVE	28	
	DCM_DIVERTING_VALVE	29	

	DCM_INVFNC_QCK_OPN	30
	DCM_INVFNC_EQL_PERC	31
	DCM_INVFNC_QUAD	32
Used by:	*SNVT_dev_c_mode*	

device_select_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*50*		
Headerfile:	*SNVT_DS.H*		
Values:	DV_NUL	-1	Invalid value
	DV_PUMP_CTRL	0	Use union for SFPTpumpController values
	DV_VALVE_POS	1	Use union for SFPTvalvePositioner values
Used by:	*SNVT_dev_fault SNVT_dev_maint SNVT_dev_status*		

discrete_levels_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*	
Index:	*2*	
Headerfile:	*snvt_lev.h*	
Values:	ST_NUL	-1
	ST_OFF	0
	ST_LOW	1
	ST_MED	2
	ST_HIGH	3
	ST_ON	4
Used by:	*SNVT_clothes_w_c SNVT_lev_disc*	

emerg_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*
Index:	*13*
Headerfile:	*snvt_em.h*

Values:	EMERG_NUL	-1	Invalid Value
	EMERG_NORMAL	0	No emergency mode
	EMERG_PRESSURIZE	1	Emergency pressurize mode
	EMERG_DEPRESSURIZE	2	Emergency depressurize mode
	EMERG_PURGE	3	Emergency purge mode
	EMERG_SHUTDOWN	4	Emergency shutdown mode
	EMERG_FIRE	5	Emergency fire mode
Used by:	*SNVT_hvac_emerg*		

ent_cmd_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*48*		
Headerfile:	*snvt_ens.h*		
Values:	ES_NUL	-1	Invalid Value
	ES_UNDEFINED	0	State is not yet defined
	ES_OPEN_PULS	1	Open the device and close it when back in normal position
	ES_OPEN	2	Open the device if not locked
	ES_CLOSE	3	Close the device
	ES_STOP	4	Stop the device
	ES_STOP_RESUME	5	Continue after stop command
	ES_ENTRY_REQ	6	Entry request, access in to the area
	ES_EXIT_REQ	7	Exit request, access out from the area
	ES_KEY_REQ	8	Exit request, access out from the area
	ES_SAFETY_EXT_REQ	9	Safety request, the device will go to a pre-defined safety position/mode
	ES_EMERGENCY_REQ	10	Emergency request, the device will go to an pre-defined emergency position/mode
	ES_UPDATE_STATE	11	Update the current state and mode
	ES_SAF_EXT_RESUME	12	Resume after Safety function
	ES_EMERG_RESUME	13	Resume after Emergency function
Used by:	*SNVT_ent_state*		

ent_opmode_cmd_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*47*		
Headerfile:	*snvt_eno.h*		
Values:	EM_NUL	-1	Invalid Value
	EM_UNDEFINED	0	Operation mode is not defined
	EM_AUTO	1	Operation mode is AUTOMATIC
	EM_AUTO_RED	2	Operation mode is AUTOMATIC with reduced width
	EM_CLOSE_LOCK	3	Operation mode is CLOSE AND LOCK
	EM_CLOSE_UNLOCK	4	Operation mode is CLOSE AND UNLOCK
	EM_EXIT_ONLY	5	Operation mode is EXIT ONLY
	EM_OPEN	6	Operation mode is OPEN
	EM_OPEN_ONCE	7	Operation mode is OPEN AND CLOSE ONCE
	EM_MANUAL	8	Operation mode is MANUAL
	EM_FIRE	9	Operation mode is FIRE
	EM_EVAC	10	Operation mode is EVACUATION
	EM_WEATHER	11	Operation mode is WEATHER MODE
	EM_DAY_LOCKING	12	Operation mode is DAY_LOCKING, locking with reduced level of security
	EM_NIGHT_LOCKING	13	Operation mode is NIGHT_LOCKING, locking with maximum level of security
	EM_BLOCKED	14	Operation mode is BLOCKED, no operations is allowed
	EM_SERVICE	15	Operation mode is SERVICE
	EM_ENTRY_ONLY	16	Operation mode is ENTRY_ONLY
Used by:	*SNVT_ent_opmode SNVT_ent_status*		

evap_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*20*		
Headerfile:	*snvt_evp.h*		
Values:	EVAP_NUL	-1	Invalid Value
	EVAP_NO_COOLING	0	Object not performing cooling (off cycle or disabled)
	EVAP_COOLING	1	Object currently cooling
	EVAP_EMERG_COOLING	2	Object performing emergency cooling

Used by: *SNVT_evap_state*

event_mode_type_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*51*		
Headerfile:	*snvt_emt.h*		
Values:	EMT_NUL	-1	Invalid Value
	EMT_END_OF_LIST	0	End of list indicator
	EMT_SCENE	1	Scene indicator
	EMT_MODE	2	Mode indicator
	EMT_LIGHTS_ON	3	
	EMT_LIGHTS_OFF	4	
Used by:	*SCPTtimeEvent*		

ex_control_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*42*		
Headerfile:	*snvt_exc.h*		
Values:	EX_CONTROL_NUL	-1	The control status of the item is unknown
	EX_CONTROL_NONE	0	Nothing has control of the item.
	EX_CONTROL_OTHER	1	Some unidentified entity has control of the item.
	EX_CONTROL_THIS_ADDR	2	A device has control of the item. The network address of this device is specified in the control_device_addr
Used by:	*SNVT_ex_control*		

fan_operation_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*53*		
Headerfile:	*snvt_hvf.h*		
Values:	HVF_NUL	-1	Invalid Value

	HVF_CONTINUOUS	0	Fan runs continuously
	HVF_CYCLE	1	Fan cycles with heating and cooling
	HVF_CON_CYCLE	2	Continuous in occupied, cycles in occupiedstandby
	HVF_CYCLE_HEAT	3	Fan cycles with heating only
	HVF_CYCLE_COOL	4	Fan cycles with cooling only
Used by:	*SCPTfanOperation*		

file_request_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*5*		
Headerfile:	*snvt_fr.h*		
Values:	FR_NUL	-1	Invalid Value
	FR_OPEN_TO_SEND	0	Sequential access read
	FR_OPEN_TO_RECEIVE	1	Sequential access write
	FR_CLOSE_FILE	2	Close and save file
	FR_CLOSE_DELETE_FILE	3	Close and delete file
	FR_DIRECTORY_LOOKUP	4	Retrieve directory entry
	FR_OPEN_TO_SEND_RA	5	Random access read
	FR_OPEN_TO_RECEIVE_RA	6	Random access write
Used by:	*SNVT_file_req*		

file_status_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*6*		
Headerfile:	*snvt_fs.h*		
Values:	FS_NUL	-1	Invalid Value
	FS_XFER_OK	0	File transfer successful
	FS_LOOKUP_OK	1	Directory lookup successful
	FS_OPEN_FAIL	2	Error on opening file
	FS_LOOKUP_ERR	3	Error on directory lookup
	FS_XFER_UNDERWAY	4	File transfer in progress
	FS_IO_ERR	5	Error on reading/writing file
	FS_TIMEOUT_ERR	6	File transfer timed out
	FS_WINDOW_ERR	7	Window sequence error

	FS_AUTH_ERR	8	Authentication failure
	FS_ACCESS_UNAVAIL	9	Access mode not supported
	FS_SEEK_INVALID	10	Random access beyond EOF
	FS_SEEK_WAIT	11	
Used by:	*SNVT_file_status*		

file_type_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*84*		
Headerfile:	*SNVT_FIL.h*		
Values:	FILE_NUL	-1	Invalid value
	FILE_VALUE	1	LW-FTP value file
	FILE_TEMPLATE	2	LW-FTP template file
	FILE_DATALOG	3	Data log file
	FILE_PROGRAM	4	Application program file

fire_indicator_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*28*		
Headerfile:	*snvt_fn.h*		
Values:	FN_NUL	-1	Invalid Value
	FN_UNDEFINED	0	Undefined indicator
	FN_STROBE_U	1	The indicator is un-synchronized
	FN_STROBE_S	2	The indicator is synchronized
	FN_HORN	3	The indicator is a DC input, pre coded Horn
	FN_CHIME	4	The indicator is a DC input, pre coded Chime
	FN_BELL	5	The indicator is a DC input
	FN_SOUNDER	6	The indicator is powered from the device
	FN_SPEAKER	7	The indicator is an AC input for the speaker
	FN_UNIVERSAL	8	General purpose indicator
Used by:	*SNVT_fire_indcte*		

fire_initiator_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*27*		
Headerfile:	*snvt_fi.h*		
Values:	FI_NUL	-1	Invalid Value
	FI_UNDEFINED	0	Initiator is undefined
	FI_THERMAL_FIXED	1	Initiator is thermal fixed (heat)
	FI_SMOKE_ION	2	Initiator is smoke and ion
	FI_MULTI_ION_THERMAL	3	Initiator is multi-ion and thermal
	FI_SMOKE_PHOTO	4	Initiator is smoke and photo
	FI_MULTI_PHOTO_THERMAL	5	Initiator is multi-photo and thermal
	FI_MULTI_PHOTO_ION	6	Initiator is multi-photo and ion
	FI_MULTI_PHOTO_ION_THERMAL	7	Initiator is multi-photo, ion and thermal
	FI_THERMAL_ROR	8	Initiator is thermal fixed and Rate of Rise
	FI_MULTI_THERMAL_ROR	9	Initiator is multi-thermal and Rate of Rise
	FI_MANUAL_PULL	10	Initiator is manual pull
	FI_WATER_FLOW	11	Initiator is water flow
	FI_WATER_FLOW_TAMPER	12	Initiator is water flow and tamper
	FI_STATUS_ONLY	13	Initiator is status only
	FI_MANUAL_CALL	14	Initiator is a manual call point
	FI_FIREMAN_CALL	15	Initiator is a fireman call point
	FI_UNIVERSAL	16	General purpose initiator definition
Used by:	*SNVT_fire_init*		

fire_test_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*26*		
Headerfile:	*snvt_ft.h*		
Values:	FT_NUL	-1	Invalid Value
	FT_NORMAL	0	Return object to normal status
	FT_RESET	1	Perform a RESET function (for smoke detectors)

	FT_TEST	2	Go into TEST mode
	FT_NOTEST	3	Exit TEST mode
Used by:	*SNVT_fire_test*		

flow_direction_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*49*		
Headerfile:	*snvt_fd.h*		
Values:	FD_NUL	-1	Invalid Value
	FD_NONE	0	No flow/movement allowed
	FD_OUT	1	Exit/out/away direction only
	FD_IN	2	Entry/in/toward direction only
	FD_ANY	3	No restriction on flow/movement
Used by:	*SNVT_flow_dir*		

gfci_status_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*39*		
Headerfile:	*snvt_gfi.h*		
Values:	GFCI_NUL	-1	Invalid Value
	GFCI_UNKNOWN	0	Unknown response
	GFCI_NORMAL	1	Normal GFCI operating condition
	GFCI_TRIPPED	2	A ground-fault has caused the GFCI to interrupt the circuit
	GFCI_TEST_FAILED	3	The GFCI failed testing
	GFCI_TEST_PASSED	4	The GFCI passed testing
	GFCI_TEST_NOW	5	The GFCI needs to be tested
Used by:	*SNVT_gfci_status*		

hvac_hvt_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*
Index:	*31*

Headerfile:	*snvt_hvt.h*		
Values:	HVT_NUL	-1	Invalid Value
	HVT_GENERIC	0	Generic
	HVT_FAN_COIL	1	Fan Coil
	HVT_VAV	2	Variable Air Volume Terminal
	HVT_HEAT_PUMP	3	Heat Pump
	HVT_ROOFTOP	4	Rooftop Unit
	HVT_UNIT_VENT	5	Unit Ventilator
	HVT_CHILL_CEIL	6	Chilled Ceiling
	HVT_RADIATOR	7	Radiator
	HVT_AHU	8	Air Handling Unit
	HVT_SELF_CONT	9	Self-Contained Unit
Used by:	*SNVT_hvac_type*		

hvac_overid_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*16*		
Headerfile:	*snvt_hvo.h*		
Values:	HVO_NUL	-1	Invalid Value
	HVO_OFF	0	Not overridden
	HVO_POSITION	1	
	HVO_FLOW_VALUE	2	Override flow in liters/sec - use flow field
	HVO_FLOW_PERCENT	3	Override flow percentage - use percent field
	HVO_OPEN	4	Override to position = 100%
	HVO_CLOSE	5	Override to position = 0%
	HVO_MINIMUM	6	Override to configured minimum
	HVO_MAXIMUM	7	Override to configured maximum
	HVO_UNUSED8	8	
	HVO_UNUSED9	9	
	HVO_UNUSED10	10	
	HVO_UNUSED11	11	
	HVO_UNUSED12	12	
	HVO_UNUSED13	13	
	HVO_UNUSED14	14	
	HVO_UNUSED15	15	
	HVO_UNUSED16	16	
	HVO_POSITION_1	17	

HVO_FLOW_VALUE_1	18	Override flow in liters/sec - use flow field
HVO_FLOW_PERCENT_1	19	Override flow percentage - use percent field
HVO_OPEN_1	20	Override to position = 100%
HVO_CLOSE_1	21	Override to position = 0%
HVO_MINIMUM_1	22	Override to configured minimum
HVO_MAXIMUM_1	23	Override to configured maximum
HVO_UNUSED24	24	
HVO_UNUSED25	25	
HVO_UNUSED26	26	
HVO_UNUSED27	27	
HVO_UNUSED28	28	
HVO_UNUSED29	29	
HVO_UNUSED30	30	
HVO_UNUSED31	31	
HVO_UNUSED32	32	
HVO_POSITION_2	33	
HVO_FLOW_VALUE_2	34	Override flow in liters/sec - use flow field
HVO_FLOW_PERCENT_2	35	Override flow percentage - use percent field
HVO_OPEN_2	36	Override to position = 100%
HVO_CLOSE_2	37	Override to position = 0%
HVO_MINIMUM_2	38	Override to configured minimum
HVO_MAXIMUM_2	39	Override to configured maximum
HVO_UNUSED40	40	
HVO_UNUSED41	41	
HVO_UNUSED42	42	
HVO_UNUSED43	43	
HVO_UNUSED44	44	
HVO_UNUSED45	45	
HVO_UNUSED46	46	
HVO_UNUSED47	47	
HVO_UNUSED48	48	

Used by: *SNVT_hvac_overid*

hvac_t

Details:

Resource Set: *Standard 00:00:00:00:00:00:00:00-0*

Index: *14*

Headerfile:	*snvt_hv.h*		
Values:	HVAC_NUL	-1	Invalid value
	HVAC_AUTO	0	Controller automatically changes between application modes
	HVAC_HEAT	1	Heating only
	HVAC_MRNG_WRMUP	2	Application-specific morning warm-up
	HVAC_COOL	3	Cooling only
	HVAC_NIGHT_PURGE	4	Application-specific night purge
	HVAC_PRE_COOL	5	Application-specific pre-cool
	HVAC_OFF	6	Controller not controlling outputs
	HVAC_TEST	7	Equipment being tested
	HVAC_EMERG_HEAT	8	Emergency heat mode (heat pump)
	HVAC_FAN_ONLY	9	Air not conditioned, fan turned on
	HVAC_FREE_COOL	10	Cooling with compressor not running
	HVAC_ICE	11	Ice-making mode
	HVAC_MAX_HEAT	12	Maximum heating mode
	HVAC_ECONOMY	13	Economic Heat/Cool mode
	HVAC_DEHUMID	14	Dehumidification mode
	HVAC_CALIBRATE	15	Calibration mode
	HVAC_EMERG_COOL	16	Emergency cool mode
	HVAC_EMERG_STEAM	17	Emergency steam mode
	HVAC_MAX_COOL	18	
	HVAC_HVC_LOAD	19	
	HVAC_NO_LOAD	20	
Used by:	*SNVT_chlr_status SNVT_hvac_mode SNVT_hvac_status*		

interval_of_month_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*58*		
Headerfile:	*SNVT_IOM.h*		
Values:	IOM_NUL	-1	Invalid Value
	IOM_MINUTE	0	Interval in minutes
	IOM_HOUR	1	Interval in hours
	IOM_DAY	2	Interval in days
	IOM_WEEK	3	Interval in weeks
	IOM_MONTH	4	Interval in months
Used by:	*SCPTtimePeriod*		

learn_mode_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*11*		
Headerfile:	*snvt_ln.h*		
Values:	LN_NUL	-1	Invalid Value
	LN_RECALL	0	Recall
	LN_LEARN_CURRENT	1	Learn present value
	LN_LEARN_VALUE	2	Learn given value
	LN_REPORT_VALUE	3	Report the value
Used by:	*SNVT_preset*		

log_access_req_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*79*		
Headerfile:	*snvt_lar.h*		
Values:	LAR_NUL	-1	Invalid value; this enumeration is not currently used in any SNVTs or SCPTs
	LAR_GET_FIRST	0	Get first record of a data log.
	LAR_GET_NEXT	1	Get next record of a data log.
	LAR_CLEAR	2	Clear data log.

log_record_t

Overview:

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Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*76*		
Headerfile:	*snvt_lr.h*		
Values:	LR_NUL	-1	Invalid value
	LR_DATA	0	Point value
	LR_LOG_STATUS	1	Log status change
	LR_TIME_CHANGE	2	Time change

log_response_code_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*80*		
Headerfile:	*snvt_lrc.h*		
Values:	LRC_NUL	-1	Invalid value; this enumeration is not currently used in any SNVTs or SCPTs
	LRC_SUCCESS	48	The operation was successful. The payload is the requested record.
	LRC_END_OF_LOG	49	The end of the log has been reached. No payload.
	LRC_VER_MISMATCH	50	Protocol version mismatch. The payload is the supported version number closest to the requested version number.
	LRC_BAD_REQUEST	51	Unknown request type. No payload.
	LRC_BAD_LOG_INDEX	52	Index is out of range. Payload will contain the number of logs in the device.

log_status_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*73*		
Headerfile:	*snvt_ls.h*		
	LS_NUL	-1	Invalid value
	LS_ENABLED	0	Log enabled
	LS_DISABLED	1	Log disabled
	LS_FULL	2	Log enabled and full
	LS_OVERFLOW_ERR	3	Log enabled, overflow occurred
	LS_INVALID_LOG_ERR	4	Invalid log selected
	LS_APP_ERR	5	Other application error
Used by:	*SCPTlogRecord SNVT_log_status*		

log_type_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*
Index:	*74*

Headerfile:	*snvt_lt.h*		
Values:	LT_NUL	-1	Invalid value
	LT_CIRCULAR	0	Discard oldest data when full
	LT_HISTORICAL	1	Stop logging when full
	LT_SNAPSHOT	2	Only maintain the current value of each data point
Used by:	*SCPTlogType*		

master_slave_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*52*		
Headerfile:	*snvt_sl.h*		
Values:	MSC_NUL	-1	Invalid Value
	MSC_UNKNOWN	0	Undefined or unused
	MSC_SLAVE	1	Slave control
	MSC_MASTER	2	Master control
Used by:	*SCPTsluiceCnfg*		

message_code_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*78*		
Headerfile:	*SNVT_MC.h*		
Values:	MC_NUL	-1	Invalid value; this enumeration is not currently used in any SNVTs or SCPTs
	MC_FIRST_RESERVED_CODE	48	First reserved standard message code. Codes 48 - 62 are reserved for standard message codes.
	MC_BROADCAST	59	Broadcast message. See profile documentation for message data format.
	MC_DATA_LOG_ACCESS	60	Data log access request. See log_response_code_t for response codes.
	MC_ISI	61	Interoperable self-installation (ISI) message
	MC_FILE_TRANSFER	62	File transfer message

months_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*55*		
Headerfile:	*snvt_mn.h*		
Values:	MN_NUL	-1	Invalid value
	MN_EVERY_MONTH	0	Every month
	MN_JAN	1	January
	MN_FEB	2	February
	MN_MAR	3	March
	MN_APR	4	April
	MN_MAY	5	May
	MN_JUN	6	June
	MN_JUL	7	July
	MN_AUG	8	August
	MN_SEP	9	September
	MN_OCT	10	October
	MN_NOV	11	November
	MN_DEC	12	December
	MN_EVERY_2_MONTH	13	Every other month
	MN_QUARTERLY	14	Every third month
	MN_EVERY_4_MONTH	15	Every fourth month
	MN_EVERY_5_MONTH	16	Every fifth month
	MN_EVERY_6_MONTH	17	Every sixth month
	MN_EVERY_7_MONTH	18	Every seventh month
	MN_EVERY_8_MONTH	19	Every eighth month
	MN_EVERY_9_MONTH	20	Every ninth month
	MN_EVERY_10_MONTH	21	Every tenth month
	MN_EVERY_11_MONTH	22	Every eleventh month
	MN_EVERY_ODD_MONTH	23	Jan, Mar, May, Jul, Sep, Nov
	MN_EVERY_EVEN_MONTH	24	Feb, Apr, Jun, Aug, Oct, Dec
Used by:	*SCPTscheduleDates SNVT_sched_exc*		

motor_state_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*

Index:	*40*		
Headerfile:	*snvt_mot.h*		
Values:	MOTOR_NUL	-1	The state of the motor is unknown (invalid value)
	MOTOR_STOPPED	0	The motor is not running
	MOTOR_STARTING	1	The motor is performing its start-up sequence
	MOTOR_ACCELERATING	2	The motor is running. Speed is increasing.
	MOTOR_AT_STANDBY	3	The motor is running in its standby mode
	MOTOR_AT_NORMAL	4	The motor is running in its normal operational mode
	MOTOR_AT_REFERENCE	5	The motor is running at its reference speed.
	MOTOR_DECELERATING	6	The motor is running. Speed is decreasing.
	MOTOR_STOPPING	7	The motor is running, beginning its shutdown sequence.
Used by:	*SNVT_motor_state SNVT_pumpset_mn*		

nv_type_category_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*46*		
Headerfile:	*snvt_nvt.h*		
Values:	NVT_CAT_NUL	-1	Invalid Value
	NVT_CAT_INITIAL	0	
	NVT_CAT_SIGNED_CHAR	1	8-bit signed character
	NVT_CAT_UNSIGNED_CHAR	2	8-bit unsigned character
	NVT_CAT_SIGNED_SHORT	3	8-bit signed integer
	NVT_CAT_UNSIGNED_SHORT	4	8-bit unsigned integer
	NVT_CAT_SIGNED_LONG	5	16-bit signed integer
	NVT_CAT_UNSIGNED_LONG	6	16-bit unsigned integer
	NVT_CAT_ENUM	7	8-bit enumeration
	NVT_CAT_ARRAY	8	Array
	NVT_CAT_STRUCT	9	Structure
	NVT_CAT_UNION	10	Union
	NVT_CAT_BITFIELD	11	Bitfield
	NVT_CAT_FLOAT	12	32-bit IEC 60559 (IEEE 754) floating-point value

	NVT_CAT_SIGNED_QUAD	13	32-bit signed integer
	NVT_CAT_REFERENCE	14	Reference type
	NVT_CAT_UNSIGNED_QUAD	15	32-bit unsigned integer
	NVT_CAT_DOUBLE_FLOAT	16	64-bit floating-point value
	NVT_CAT_SIGNED_INT64	17	64-bit signed integer
	NVT_CAT_UNSIGNED_INT64	18	64-bit unsigned integer
Used by:	*SNVT_nv_type*		

object_request_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*10*		
Headerfile:	*snvt_rq.h*		
Values:	RQ_NUL	-1	Invalid Value
	RQ_NORMAL	0	Enable object and remove override
	RQ_DISABLED	1	Disable object
	RQ_UPDATE_STATUS	2	Report object status
	RQ_SELF_TEST	3	Perform object self-test
	RQ_UPDATE_ALARM	4	Update alarm status
	RQ_REPORT_MASK	5	Report status bit mask
	RQ_OVERRIDE	6	Override object
	RQ_ENABLE	7	Enable object
	RQ_RMV_OVERRIDE	8	Remove object override
	RQ_CLEAR_STATUS	9	Clear object status
	RQ_CLEAR_ALARM	10	Clear object alarm
	RQ_ALARM_NOTIFY_ENABLED	11	Enable alarm notification
	RQ_ALARM_NOTIFY_DISABLED	12	Disable alarm notification
	RQ_MANUAL_CTRL	13	Enable object for manual control
	RQ_REMOTE_CTRL	14	Enable object for remote control
	RQ_PROGRAM	15	Enable programming of special configuration properties
	RQ_CLEAR_RESET	16	Clear reset-complete flag (reset_complete)
	RQ_RESET	17	Execute reset-sequence of object
	RQ_CLEAR_LOG	18	Clear data log
	RQ_LOAD_PROGRAM	19	Load the program specified in SCPTprogSelect
	RQ_RUN_PROGRAM	20	Run the currently loaded program. If the program was halted manually, this will resume running from the point is was halted.

RQ_HALT_PROGRAM	21	Halt the currently loaded program. This will preserve the program state and a subsequent Run command will resume the program from where it was halted.
RQ_RESTART_PROGRAM	22	Restart the currently loaded program from the beginning.
RQ_UNLOAD_PROGRAM	23	Unload the currently loaded program
RQ_STEP_PROGRAM	24	Executes the next logical operation (line, statement, instruction, logic block, etc.) of the currently loaded program. The program state must be "idle" or "halted" to accept this command, otherwise it will be ignored. The program returns to "halted" state after execution of this command

Used by: *SCPTprogCmdHistory SNVT_obj_request*

occup_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*15*		
Headerfile:	*snvt_oc.h*		
Values:	OC_NUL	-1	Invalid Value
	OC_OCCUPIED	0	Area is occupied
	OC_UNOCCUPIED	1	Area is unoccupied
	OC_BYPASS	2	Area is temporarily occupied for the bypass period
	OC_STANDBY	3	Area is temporarily unoccupied
Used by:	*SCPToccupancyBehavior SNVT_occupancy SNVT_time_val_2 SNVT_tod_event*		

olc_select_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*82*		
Headerfile:	*snvt_olc.h*		
Values:	OLC_NUL	-1	Invalid value
	OLC_DEFAULT	0	Standard (default)
	OLC_RELAY	1	Relay Actuation

	OLC_ECO_MODE	2	ECO Mode
	OLC_1_to_10	3	1-to-10 Volt
	OLC_DALI	4	DALI
Used by:	*SCPTdeviceOutSelection SNVT_control_cfg*		

olc_state_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*89*		
Headerfile:	*SNVT_olc2.h*		
Values:	MEM_NUL	-1	
	OLC_INIT	0	Initialization State
	OLC_OFF	1	OFF State with on TOS response
	OLC_WARMUP	2	Warmup State, no dimming allowed
	OLC_COOLDOWN	3	Cooldown State, no switching to ON allowed
	OLC_ON	4	ON State, Occupied level active
	OLC_CALIBRATE	5	Calibration State
	OLC_ON_UNOCCUP	6	ON State when unoccupied
	OLC_OFF_UNOCCUP	7	OFF State when unoccupied during scheduled occupancy
	OLC_RCV_TMO	8	Receive timeout used configured default level
	OLC_OFF_RCV_TMO	9	Receive timeout using a default level of 0%
Used by:	*SNVT_control_data*		

override_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*12*		
Headerfile:	*snvt_ov.h*		
Values:	OV_NUL	-1	Invalid Value
	OV_RETAIN	0	Retain current level
	OV_SPECIFIED	1	Go to specified level
	OV_DEFAULT	2	Go to default level
Used by:	*SNVT_override*		

pan_dir_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*33*		
Headerfile:	*snvt_pan.h*		
	PAN_NUL	-1	Invalid Value
	PAN_STOP	0	Stop panning
	PAN_RIGHT	1	Pan to the right
	PAN_LEFT	2	Pan to the left
Used by:	*SNVT_ptz*		

point_status_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*77*		
Headerfile:	*snvt_ps.h*		
Values:	PS_NUL	-1	Invalid value
	PS_NORMAL	0	Normal state
	PS_IN_ALARM	1	In alarm
	PS_FAULT	2	Fault not indicated by an alarm
	PS_OVERRIDDEN	3	Point value overridden
	PS_OUT_OF_SERVICE	4	Out of service
Used by:	*SCPTlogRecord*		

priority_level_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*8*		
Headerfile:	*snvt_pr.h*		
Values:	PR_NUL	-1	Invalid Value
	PR_LEVEL_0	0	Lowest alarm priority level
	PR_LEVEL_1	1	
	PR_LEVEL_2	2	
	PR_LEVEL_3	3	Highest alarm priority level

PR_1	4	Life Safety Fire Alarms (BACnet Priority 2)
PR_2	5	Property Safety Fire Alarms (BACnet Priority 3)
PR_3	6	Fire Supervisory Alarm (BACnet Priority 4)
PR_4	7	Fire Trouble/Fault (Display) (BACnet Priority 5)
PR_6	8	Fire Pre-Alarm, HVAC Critical Equipment Alarm (BACnet Priority 6)
PR_8	9	HVAC Alarms (BACnet Priority 8)
PR_10	10	HVAC Critical Equipment RTN, Fire RTN (Display) (BACnet Priority 10)
PR_16	11	HVAC RTN (lowest priority) (BACnet Priority 16)

Used by: *SNVT_alarm SNVT_alarm_2 SNVT_pumpset_mn*

privacyzone_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*36*		
Headerfile:	*snvt_pz.h*		
Values:	PZ_NUL	-1	Invalid value
	PZ_DISABLE	0	Disable privacy zone warning
	PZ_ENABLE	1	Enable privacy zone warning
	PZ_UPPER_LEFT	2	Set upper left corner
	PZ_LOWER_RIGHT	3	Set lower right corner
	PZ_ENTER	4	Privacy zone enter warning
	PZ_EXIT	5	Privacy zone exit message
Used by:	*SNVT_privacyzone*		

program_state_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*83*		
Headerfile:	*SNVT_PRS.h*		
Values:	PRS_NUL	-1	Invalid Value
	PRS_NO_PROGRAM	0	No Program
	PRS_IDLE	1	Idle (ready to run)

PRS_LOADING	2	Loading (program is being loaded - will become Idle when done)
PRS_RUNNING	3	Running (may be halted by user, or halted if error occurs)
PRS_HALTED	4	Halted (program has stopped due to an error or user command)
PRS_UNLOADING	5	Unloading (program is being unloaded - will become "No Program" when done)

Used by: *SCPTprogStateHistory SNVT_program_status*

program_status_error_t

Details:

Resource Set: *Standard 00:00:00:00:00:00:00:00-0*

Index: *85*

Headerfile: *SNVT_PSE.H*

Values:

PSE_NUL	-1	Invalid value
PSE_NO_ERROR	0	No Error
PSE_PROGRAM_FAULT_NOHALT	1	Program fault (no halt)
PSE_INVALID_OPERATION_NOHALT	2	Invalid operation (no halt)
PSE_INVALID_PARAMETER_NOHALT	3	Invalid parameter (no halt)
PSE_STACK_OVERFLOW_NOHALT	4	Stack overflow (no halt)
PSE_STACK_UNDERFLOW_NOHALT	5	Stack underflow (no halt)
PSE_INSUFFICIENT_MEMORY_NOHALT	6	Insufficient memory (no halt)
PSE_WATCHDOG_NOHALT	7	Unknown error (resulted in a program halt)
PSE_UNKNOWN_ERROR_NOHALT	31	Unknown error (no halt)
PSE_LOAD_ERROR_HALT	32	Load error
PSE_PROGRAM_FAULT_HALT	33	Program fault (resulted in a program halt)
PSE_INVALID_OPERATION_HALT	34	Invalid operation (resulted in a program halt)
PSE_INVALID_PARAMETER_HALT	35	Invalid operation (resulted in a program halt)
PSE_STACK_OVERFLOW_HALT	36	Invalid operation (resulted in a program halt)
PSE_STACK_UNDERFLOW_HALT	37	Stack underflow (resulted in a program halt)
PSE_INSUFFICIENT_MEMORY_HALT	38	Insufficient Memory Halt
PSE_WATCHDOG_HALT	39	Watchdog Halt
PSE_CORRUPTED_PROGRAM_HALT	40	Corrupted program (resulted in a program halt)
PSE_UNKNOWN_ERROR_HALT	63	Unknown error (resulted in a

program halt)

Used by: *SCPTprogErrorHistory SNVT_program_status*

rail_audio_sensor_type_t

Details:

Resource Set: *Standard 00:00:00:00:00:00:00:00-0*

Index: *61*

Headerfile: *SNVT_RAS.h*

Values:

RAST_NUL	-1	Invalid Value
RAST_CU_TYPE_1	0	CU Type 1
RAST_CU_TYPE_2	1	CU Type 2
RAST_CU_TYPE_3	2	
RAST_CU_TYPE_4	3	CU Type 4
RAST_LS_LINE_1	4	LS Line 1
RAST_LS_LINE_2	5	LS Line 2
RAST_LS_LINE_3	6	LS Line 3
RAST_LS_LINE_4	7	LS Line 4
RAST_LS_LINE_5	8	LS Line 5
RAST_LS_LINE_6	9	LS Line 6
RAST_LS_LINE_7	10	LS Line 7
RAST_LS_LINE_8	11	LS Line 8
RAST_PAU	12	Public-Address Unit
RAST_CFA_TYPE_1	13	CFA Type 1
RAST_CFA_TYPE_2	14	CFA Type 2
RAST_CFA_TYPE_3	15	CFA Type 3
RAST_CFA_TYPE_4	16	CFA Type 4
RAST_DVA	17	DVA
RAST_ET_TYPE_1	18	ET Type 1
RAST_ET_TYPE_2	19	ET Type 2
RAST_USERDEF_TYPE_1	20	User-defined Type 1
RAST_USERDEF_TYPE_2	21	User-defined Type 2
RAST_USERDEF_TYPE_3	22	User-defined Type 3
RAST_USERDEF_TYPE_4	23	User-defined Type 4

Used by: *SNVT_rac_ctrl SNVT_rac_req*

rail_audio_type_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*	
Index:	*62*	
Headerfile:	*SNVT_RAT.h*	
Values:	RAT_NUL	-1
	RAT_IC_REQ	0
	RAT_IC_JOIN	1
	RAT_IC_QUIT	2
	RAT_IC_END	3
	RAT_HW_RADIO_REQ	4
	RAT_HW_RADIO_END	5
	RAT_HW_PA_REQ	6
	RAT_HW_PA_END	7
	RAT_SW_PA_REQ	8
	RAT_SW_PA_END	9
	RAT_SW_PA_OR_REQ	10
	RAT_SW_PA_OR_END	11
	RAT_PAU_REQ	12
	RAT_PAU_ACCEPT	13
	RAT_PAU_CALL	14
	RAT_PAU_END	15
	RAT_ENTERT_REQ	16
	RAT_ENTERT_END	17
Used by:	*SNVT_rac_ctrl SNVT_rac_req*	

reg_val_unit_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*30*		
Headerfile:	*snvt_rvu.h*		
Values:	RVU_NUL	-1	invalid unit of measure (INVALID)
	RVU_NONE	0	no units specified ( )
	RVU_W	1	Watts (W)
	RVU_KW	2	kiloWatts (kW)
	RVU_MW	3	megaWatts (MW)
	RVU_GW	4	gigaWatts (GW)
	RVU_VAR	5	Volt-Amperes reactive (var)
	RVU_KVAR	6	kilo-Volt-Amperes reactive (kvar)
	RVU_MVAR	7	mega-Volt-Amperes reactive (Mvar)
	RVU_GVAR	8	giga-Volt-Amperes reactive (Gvar)

RVU_WH	9	Watt-hour (Wh)
RVU_KWH	10	kiloWatt-hour (kWh)
RVU_MWH	11	megaWatt-hour (MWh)
RVU_GWH	12	gigaWatt-hour (GWh)
RVU_VARH	13	Volt-Amperes reactive -hour (varh)
RVU_KVARH	14	kilo-Volt-Amperes reactive -hour (kvarh)
RVU_MVARH	15	mega-Volt-Amperes reactive -hour (Mvarh)
RVU_GVARH	16	giga-Volt-Amperes reactive -hour (Gvarh)
RVU_V	17	Volts (V)
RVU_A	18	Amps (A)
RVU_COSF	19	(cosf)
RVU_M3	20	cubic metres (m^3)(cu.m)
RVU_L	21	litres (l)
RVU_ML	22	millilitres (ml)
RVU_USGAL	23	U.S. Gallons (USG)
RVU_GJ	24	giga-Joules (GJ)
RVU_MJ	25	mega-Joules (MJ)
RVU_MCAL	26	megacalories (Mcal)
RVU_KCAL	27	kilocalories (kcal) / Calories (Cal)
RVU_MBTU	28	mega-British thermal units (mBtu)
RVU_KBTU	29	kilo-British thermal units (kBtu)
RVU_MJH	30	mega-Joules per hour (MJ/h)
RVU_MLS	31	millilitres per second (ml/s)
RVU_LS	32	litres per second (l/s)
RVU_M3S	33	cubic-metres per second (m^3/s) (cu.m/s)
RVU_C	34	(C)
RVU_LH	35	litres per hour (l/h)
RVU_VA	36	Volt-Amperes (VA)
RVU_KVA	37	kiloVolt-Amperes (kVA)
RVU_MVA	38	megaVolt-Amperes (MVA)
RVU_GVA	39	gigaVolt-Amperes (GVA)
RVU_VAH	40	Volt-Ampere hours (VAh)
RVU_KVAH	41	kiloVolt-Ampere hours (kVAh)
RVU_MVAH	42	megaVolt-Ampere hours (MVAh)
RVU_GVAH	43	giga-Volt-Ampere hours (GVAh)

Used by: *SNVT_reg_val* *SNVT_reg_val_ts*

sblnd_cmd_source_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*59*		
Headerfile:	*SNVT_SBC.h*		
Values:	SBCS_NUL	-1	Invalid value
	SBCS_LOCAL	0	Local
	SBCS_GROUP	1	Group
	SBCS_WIND_SPEED	2	Wind speed
	SBCS_SUN_LUX	3	Sun lux level
	SBCS_RAIN	4	Rain
	SBCS_FROST	5	Frost
	SBCS_DAWN	6	Dawn
	SBCS_DUSK	7	Dusk
	SBCS_OUTSIDE_TEMP	8	Outside temperature
	SBCS_INDOOR_TEMP	9	Indoor temperature
	SBCS_OUTDOOR_RH	10	Outdoor relative humidity
	SBCS_INDOOR_RH	11	Indoor relative humidity
	SBCS_ILLUM_LEVEL	12	Illumination level
	SBCS_SCENE	13	Scene
	SBCS_GLOBAL	14	Global
	SBCS_WINDOW_CONTACT	15	Window contact
	SBCS_AUTOMODE_CHANGED	16	Auto-mode changed
	SBCS_OVERRIDE	17	Override
	SBCS_EMERGENCY	18	Emergency
	SBCS_MAINTENANCE	19	Maintenance
	SBCS_INTRUSION	20	Intrusion
	SBCS_TERMINAL_LOAD	21	Terminal load
	SBCS_ALARM	22	Alarm
	SBCS_OCC_SENSOR	23	Occupancy sensor
	SBCS_OCC_MAN_CMD	24	Occupancy manual command
	SBCS_GLARE	25	Glare
	SBCS_ALARM_2	26	Alarm 2
	SBCS_NOTIFY	27	Notify
	SBCS_ELEVATION	28	Elevation
	SBCS_AZIMUTH	29	Azimuth
	SBCS_SET_OVERRIDE	30	Set override
	SBCS_SET_MAINTENANCE	31	Set maintenance
	SBCS_TIMER	32	Timer
	SBCS_UNKNOWN	127	Unknown command source

Used by: *SNVT_sblnd_state*

sblnd_error_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*60*		
Headerfile:	*SNVT_SBE.h*		
Values:	SBE_NUL	-1	Invalid Value
	SBE_NO_ERROR	0	No error
	SBE_IN_PROGRESS	1	In progress
	SBE_LIMITS	2	Limits
	SBE_OBSTACLE_UP	3	Obstacle up
	SBE_OBSTACLE_DOWN	4	Obstacle down
	SBE_OVERHEAT	5	Overheat
	SBE_POWER	6	Power
	SBE_SENSOR	7	Sensor
	SBE_MOTOR_CIRCUIT	8	Motor circuit
	SBE_FUSE	9	Fuse
	SBE_REFERENCE_LOST	10	Reference lost
	SBE_HOST_COMM	11	Host communication
	SBE_VOLTAGE_1	12	Voltage 1
	SBE_VOLTAGE_2	13	Voltage 2
	SBE_CONTROLLER	14	Controller
Used by:	*SNVT_sblnd_state*		

scene_config_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*18*		
Headerfile:	*snvt_scf.h*		
Values:	SCF_NUL	-1	Invalid Value
	SCF_SAVE	0	Overwrite this scene with new data
	SCF_CLEAR	1	Delete this scene from the list
	SCF_REPORT	2	Display this scene's data
	SCF_SIZE	3	Report the number of programmed scenes
	SCF_FREE	4	Report the number of free scene

storage spaces

Used by: *SNVT_scene_cfg*

scene_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*17*		
Headerfile:	*snvt_sc.h*		
Values:	SC_NUL	-1	Invalid value
	SC_RECALL	0	Recall a specified scene.
	SC_LEARN	1	Store the current setting in the specified scene.
	SC_DISPLAY	2	Display the current scene.
	SC_GROUP_OFF	3	Report current group is off.
	SC_GROUP_ON	4	Report current group is on.
	SC_STATUS_OFF	5	Report current status is off.
	SC_STATUS_ON	6	Report current status is on.
	SC_STATUS_MIXED	7	Report current status is mixed.
	SC_GROUP_STATUS	8	Get group status.
	SC_FLICK	9	Toggle state off and then on.
	SC_TIMEOUT	10	Report a timeout occurred.
	SC_TIMEOUT_FLICK	11	Report a timeout occurred for a flick warning.
	SC_DELAYOFF	12	Set the state to off after a delay.
	SC_DELAYOFF_FLICK	13	Flick and then set the state to off after a delay.
	SC_DELAYON	14	Set the state to on after a delay.
	SC_ENABLE_GROUP	15	Enable the current group.
	SC_DISABLE_GROUP	16	Disable the current group.
	SC_CLEANON	17	Recall the cleaning scene.
	SC_CLEANOFF	18	Restore the previous scene.
	SC_WINK	19	Toggle to the opposite state and then restore the state.
	SC_RESET	20	Restore the factory default scene table.
	SC_MODE1	21	Manufacturer-specific mode 1.
	SC_MODE2	22	Manufacturer-specific mode 2.
	SC_MODE3	23	Manufacturer-specific mode 3.
Used by:	*SNVT_scene*		

scheduler_status_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*87*		
Headerfile:	*SNVT_SCH.h*		
Values:	SCH_NUL	-1	Invalid value
	SCH_DAILY_SCHEDULE	0	Daily schedule (lowest priority)
	SCH_SCHED_SPECIAL	1	Scheduled vacation or holiday event
	SCH_SCHED_EXCEPTION	2	Scheduled exception event
	SCH_LOCAL_OCC_OVERRIDE	3	Local occupancy override
	SCH_EXCEPTION_SCH_OVERRIDE	4	Exception schedule override
	SCH_MANUAL_OVERRIDE	5	Manual override (highest priority)
	SCH_OTHER	6	Undefined override
Used by:	*SNVT_sched_status*		

sec_state_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*	
Index:	*57*	
Headerfile:	*SNVT_SSE.h*	
Values:	SSE_NUL	-1
	SSE_OFF	0
	SSE_ON	1
	SSE_INHIBIT_RESET	2
	SSE_INHIBIT	3
	SSE_WALK_TEST_OFF	4
	SSE_WALK_TEST_ON	5
	SSE_TEST_MODE_OFF	6
	SSE_TEST_MODE_ON	7
	SSE_POLL_STATUS	8
	SSE_POLL_STATE	9
	SSE_CONFIRM_ALARM_RESET	10
	SSE_CONFIRM_ALARM	11
	SSE_CONFIRM_TAMPER_RESET	12
	SSE_CONFIRM_TAMPER	13
	SSE_CONFIRM_MAINTENANCE	14
	SSE_CONFIRM_TROUBLE	15

	SSE_CONFIRM_FAULT	16
	SSE_CONFIRM_RECOVERED_SENSOR	17
	SSE_LOST_SENSOR	18
	SSE_CONFIRM_UNSUPPORTED	19
Used by:	*SNVT_sec_state*	

sec_status_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*	
Index:	*56*	
Headerfile:	*SNVT_SSS.h*	
	SSS_NUL	-1
	SSS_POWER_UP	0
	SSS_ALARM_RESET	1
	SSS_ALARM	2
	SSS_TAMPER_RESET	3
	SSS_TAMPER	4
	SSS_MAINTENANCE	5
	SSS_TROUBLE	6
	SSS_FAULT	7
	SSS_RECOVERED_SENSOR	8
	SSS_LOST_SENSOR	9
	SSS_POLL_ACTIVE	10
	SSS_POLL_INACTIVE	11
	SSS_POLL_TAMPER	12
	SSS_POLL_ON	13
	SSS_POLL_OFF	14
	SSS_POLL_INHIBIT	15
	SSS_POLL_TEST	16
	SSS_CONFIRM_OFF	17
	SSS_CONFIRM_ON	18
	SSS_CONFIRM_INHIBIT_RESET	19
	SSS_CONFIRM_INHIBIT	20
	SSS_CONFIRM_WALK_TEST_OFF	21
	SSS_CONFIRM_WALK_TEST_ON	22
	SSS_CONFIRM_TEST_MODE_OFF	23
	SSS_CONFIRM_TEST_MODE_ON	24
	SSS_CONFIRM_UNSUPPORTED	25
Used by:	*SNVT_sec_status*	

setting_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*19*		
Headerfile:	*snvt_set.h*		
Values:	SET_NUL	-1	Invalid value
	SET_OFF	0	Change state to off
	SET_ON	1	Change state to on, restoring the last on setting
	SET_DOWN	2	Decrease the setting by the offset supplied in the setting field
	SET_UP	3	Increase the setting by the offset supplied in the setting field
	SET_STOP	4	Stop any motion, for example for blinds
	SET_STATE	5	Change the setting to the value specified
Used by:	*SNVT_setting*		

stat_manage_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*88*		
Headerfile:	*SNVT_SM.h*		
	SM_NUL	-1	
	SM_NONE	0	No action
	SM_SAVE	1	Forces EEPROM write of persistent stats
	SM_CLEAR_ALL	2	All values to zero
	SM_SET_ALL	3	Set values explicitly
	SM_CLEAR_VOLATILE	4	Clear comm stats and alarm bits
	SM_SET_ENERGY	5	Set energy value only
	SM_SET_RUNTIME	6	Set the runtime value only
	SM_SET_CYCLES	7	Set the cycle count only
	SM_CLEAR_ALARMS	8	Used to explicitly clear alarm flag
	SM_CLEAR_COMM_STATS	9	Forces the LC to perform the self-tuning sequence
	SM_CMD_ACK	10	Controller response to CMD
Used by:	*SNVT_stat_control*		

switch_state_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*71*		
Headerfile:	*snvt_sw.h*		
Values:	SW_NUL	-1	Invalid value
	SW_SET_OFF	0	Set the state to off; ignored for blinds, drapes, shades, and fans
	SW_SET_ON	1	Set the state to on; ignored for blinds, drapes, shades, and fans
	SW_REPORT_OFF	2	Report that the state is off; output only; ignored for input
	SW_REPORT_ON	3	Report that the state is on; output only; ignored for input
	SW_TOGGLE_STATE	4	Toggle on-off state; same action as SW_SET_OFF if the on/off state was on, and SW_SET_ON if the on/off state was off; ignored for blinds, drapes, shades, and fans
	SW_SET_LEVEL	5	Set the level to the specified value; ignored for blinds, drapes, shades, and fans
	SW_INCREASE_LEVEL	6	Increase the level by the specified value; ignored for blinds, drapes, shades, and fans
	SW_DECREASE_LEVEL	7	Decrease the level by the specified amount; ignored for blinds, drapes, shades, and fans
	SW_RECALL_SCENE	8	Recall the state and level from the specified scene
	SW_STORE_SCENE	9	Store setting for the specified scene
	SW_LEARN_SCENE	10	Learn setting for the specified scene
	SW_SET_OCCUPIED	11	Set the occupancy state
	SW_SET_UNOCCUPIED	12	Clear the occupancy state
	SW_SET_MULTIPLIER	13	Set a multiplier for the level for 60 minutes; ignored for blinds, drapes, shades, and fans
	SW_ENABLE_GROUP	14	Enable a group; all groups are enabled by default
	SW_DISABLE_GROUP	15	Disable a group
	SW_WINK	16	Blink state (toggle on-off state; pause; toggle on-off state again
	SW_RESET	17	Reset scene definitions, multiplier, occupancy state, group enable flags.

		and settings to factory defaults
SW_RESET_ENERGY_USAGE	18	Reset energy usage value to zero
SW_RESET_RUNTIME	19	Reset runtime value to zero
SW_INCREASE_HUE	20	Increase color hue
SW_DECREASE_HUE	21	Decrease color hue
SW_SET_BUTTON	22	Trigger the actions for pressing and releasing the button specified in the value field
SW_SET_GROUP_STATE_LEVEL	23	Set state and percent of full level (value field) for a group specified in the scene field
SW_SET_FAN_UP	32	Set ceiling fan direction to up, with specified level
SW_SET_FAN_DOWN	33	Set ceiling fan direction to down, with specified level
SW_TOGGLE_FAN_DIRECTION	34	Toggle fan up-down direction
SW_INCREASE_FAN_LEVEL	35	Increase fan speed by the setting
SW_DECREASE_FAN_LEVEL	36	Decrease fan speed by the setting
SW_SET_FAN_ON	37	Set the fan state to on
SW_SET_FAN_OFF	38	Set the fan state to off
SW_TOGGLE_FAN_STATE	39	Toggle the fan on-off state
SW_MOVE_OPEN	48	Move blinds, drapes, or shades open by the setting
SW_MOVE_CLOSED	49	Move blinds, drapes, or shades closed by the setting
SW_SET_ANGLE	50	Set the rotation angle of blinds to the setting
SW_ROTATE_OPEN	51	Rotate blinds open by the setting
SW_ROTATE_CLOSED	52	Rotate blinds closed by the setting
SW_STOP	53	Stop any motion of blinds, drapes, or shades
SW_SET_STANDBY	54	Set Standby mode
SW_TOGGLE_STANDBY	55	Toggle the standby state
SW_SET_POSITION	56	Set blinds, drapes, or shades to the specified position; 100% is fully open, 0% is fully closed
SW_REPORT_POSITION	57	Report the position of blinds, drapes, or shades output only; ignored for input
SW_REPORT_FAN_LEVEL	58	Report the fan speed in percent of full level output only; ignored for input

Used by: *SNVT_switch_2*

telcom_states_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*3*		
Headerfile:	*snvt_tel.h*		
Values:	TEL_NUL	-1	Invalid Value
	TEL_NOTINUSE	0	"Null State (U0)" not in use
	TEL_OFFHOOK	1	"Call Initiated (U1)"
	TEL_DIALING	2	"Overlap Sending (U2)"
	TEL_DIALCOMP	3	"Outgoing Call Proceeding (U3)"
	TEL_RINGBACK	4	"Call Delivered (U4)" hearing ringback
	TEL_INCOMING	5	"Call Present (U6)" incoming call has not yet started ringing (only on ISDN line)
	TEL_RINGING	6	"Call Received (U7)" incoming call when the user has indicated alerting but has not yet answered
	TEL_ANSWERED	7	"Connect Request (U8)" user has answered the call and is waiting to be awarded the call
	TEL_CONNECTED	8	
	TEL_TALKING	9	"Active (U10)" two parties are exchanging data
	TEL_HANGINGUP	10	"Disconnect Request (U11)" user has hung up
	TEL_HUNGUPX	11	"Disconnect Indication (U12)" the other side hung up
	TEL_HOLD	12	"Suspend Request (U15)" user has requested the network suspend the call
	TEL_UNHOLD	13	"Resume Request (U17)" resume a held call (usually go back to TEL_TALKING)
	TEL_RELEASE	14	"Release Request (U19)" user has requested the network to release
	TEL_FULLDUP	15	"Overlap Receiving (U25)" user has acknowledged the call and is prepared to receive additional
	TEL_BLOCKED	16	connection with blocking, (call-waiting disabled)
	TEL_CWAIT	17	call-waiting coming in
	TEL_DESTBUSY	18	destination busy
	TEL_NETBUSY	19	problem, network
	TEL_ERROR	20	problem, non-network
Used by:	*SNVT_telcom*		

therm_mode_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*21*		
Headerfile:	*snvt_thm.h*		
Values:	THERM_NUL	-1	Invalid Value
	THERM_NO_CONTROL	0	Thermostat disabled
	THERM_IN_OUT	1	Cut in/out control
	THERM_MODULATING	2	Modulating control
Used by:	*SNVT_therm_mode*		

tilt_dir_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*34*		
Headerfile:	*snvt_tlt.h*		
Values:	TILT_NUL	-1	Invalid Value
	TILT_STOP	0	Stop tilting
	TILT_UP	1	Tilt up
	TILT_DOWN	2	Tilt down
Used by:	*SNVT_ptz*		

time_source_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*86*		
Headerfile:	*SNVT_TMS.h*		
Values:	TMS_NUL	-1	Invalid value
	TMS_SCHEDULER_NV	0	Time source is scheduler NV input
	TMS_NODE_OBJECT_NV	1	Time source is Node Object NV input
	TMS_SE2_TIME_CLIENT_NV	2	Time source is Smart Energy 2.0 Time Client NV input
	TMS_HARDWARE	3	Time source is local hardware real time clock
	TMS_ALTERNATE	4	Alternate time source such as an SNTP server
Used by:	*SCPTtimeSource*		

timestamp_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*75*		
Headerfile:	*snvt_ts.h*		
	TS_NUL	-1	Invalid value
	TS_FULL	0	Full timestamp
	TS_OFFSET	1	Offset since last full timestamp
	TS_NONE	2	No timestamp

unit_temp_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*43*		
Headerfile:	*snvt_tmp.h*		
Values:	TEMP_NUL	-1	The status of the apparatus or unit is unknown, or not applicable (Invalid Value).
	TEMP_INACTIVE	0	The temperature-sensing apparatus is present, but not currently operating.
	TEMP_AT_DESIRED	1	The unit temperature is within the desired range.
	TEMP_TOO_HOT	2	The unit temperature is above the upper limit of the desired range.
	TEMP_TOO_COLD	3	The unit temperature is below the lower limit of the desired range.
Used by:	*SNVT_pump_sensor*		

valve_mode_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*45*		
Headerfile:	*snvt_val.h*		
Values:	VALVE_NUL	-1	Invalid value
	VALVE_NORMAL	0	Valve works as normal valve
	VALVE_COOLING	1	Valve works as cooling valve only

	VALVE_HEATING	2	Valve works as heating valve only
	VALVE_EMERGENCY	3	Valve works in emergency operation
	VALVE_STROKE_ADP	4	Valve adapt its stroke and its end positions
	VALVE_STROKE_SYN	5	Valve resynchronizes its position
	VALVE_ERROR	6	Valve is in error mode
	VALVE_OVERRIDDEN	7	Value is overridden
Used by:	*SNVT_valve_mode*		

zoom_t

Details:

Resource Set:	*Standard 00:00:00:00:00:00:00:00-0*		
Index:	*35*		
Headerfile:	*snvt_zm.h*		
Values:	ZOOM_NUL	-1	Invalid Value
	ZOOM_STOP	0	Stop zooming
	ZOOM_TELE	1	Telephoto zoom / zoom in
	ZOOM_WIDE	2	Wide zoom / zoom out
Used by:	*SNVT_ptz*		