

DECODING CABVIEWCONTROLS 1.4-120

SOURCE\ORTS.FORMATS.MSTS\CABVIEWFILE.CS

```
CabViewControls (
  Name#1 (
    Name#2:Type ( Name#3 Name#4 )
    Name#2:Position ( pos.x pos.y scale.x scale.y )
    Name#2:Graphic ( filename.ace,dds )
    Name#2:Style ( Name#5: NEEDLE )
    Name#2:ScaleRange ( 0 160 )
    Name#2:ScalePos ( 214 146 )
    Name#2:Units ( Name#6: KM_PER_HOUR )
    Name#2:Pivot ( 44 )
    Name#2:Dirlncrease ( 0 )
    -||-
    Depend on control
  )
```

Name #1 STRINGS

DIAL
GAUGE
LEVER
TWOSTATE
TRISTATE
MULTISTATE
MULTISTATEDISPLAY
CABSIGNALDISPLAY
DIGITAL
COMBINEDCONTROL
FIREBOX
DIALCLOCK
DIGITALCLOCK
SCREENDISPLAY
ORTSANIMATEDDISPLAY

Name #2 STRINGS

TYPE
POSITION
GRAPHIC
STYLE
SCALERANGE
SCALEPOS
UNITS
PIVOT
ACCURACY
ACCURACYSWITCH
AREA
CONTROLCOLOUR
DIRINCREASE
DECREASECOLOUR
FUELCOAL
JUSTIFICATION
LEADINGZEROS
MOUSECONTROL
NEGATIVECOLOUR
ORIENTATION
PARAMETERS
DISABLEDIFCAB-POWER-SUPPLYOFF
DISABLEDIFLOWVOLTAGE-POWERSUPPLYOFF

Name #2 cont.

POSITIVECOLOUR
SWITCHVAL
ZEROPOS
ORTSANGLE
ORTSCABVIEWPOINT
ORTSCYCLETIME
ORTSDISPLAY
ORTSFONT
ORTSSCREENPAGE

Name #4

DIAL
GAUGE
LEVER
TWO_STATE
TRI_STATE
MULTI_STATE
MULTI_STATE_DISPLAY
CAB_SIGNAL_DISPLAY
DIGITAL
COMBINED_CONTROL
FIREBOX
DIAL_CLOCK
DIGITAL_CLOCK
SCREEN_DISPLAY
ORTS_ANIMATED_DISPLAY

Name #3

ENUMS
ACCELEROMETER,
ALERTER_DISPLAY,
AMMETER_ABS,
AMMETER,
ASPECT_DISPLAY,
BELL,
BLOWER,
BOILER_WATER,
BRAKE_CYL,
BRAKE_PIPE,
BRAKEMAN_BRAKE,
CAB_RADIO,
CLOCK,
CP_HANDLE,
CPH_DISPLAY,
CUTOFF,
CYL_COCKS,
DAMPERS_BACK,
DAMPERS_FRONT,
DIRECTION_DISPLAY,
DIRECTION,
DOORS_DISPLAY,
DYNAMIC_BRAKE_DISPLAY,
DYNAMIC_BRAKE_FORCE,
DYNAMIC_BRAKE,
EMERGENCY_BRAKE,
ENGINE_BRAKE,
EQ_RES,
EXTERNALWIPERS,
FIREBOX,
FIREHOLE,
FRICTION_BRAKE,
FRICTION_BRAKING,
FRONT_LIGHT,
FUEL_GAUGE,
GEARS_DISPLAY,
GEARS,
HORN,
LEFTDOOR,
LINE_VOLTAGE,
LOAD_METER,
MAIN_RES_PIPE,
MAIN_RES,
MIRRORS,
ORTS_BAILOFF,
ORTS_CABLIGHT,
ORTS_ETCS,
ORTS_GENERIC_ITEM1,
ORTS_GENERIC_ITEM2,
ORTS_CYL_COMP,
ORTS_LEFTDOOR,
ORTS_MASTER_KEY,
ORTS_MINUTEDIAL,
ORTS_MIRRORS,
ORTS_OVERCHARGE,
ORTS_PANTOGRAPH3,
ORTS_PANTOGRAPH4,
ORTS_HOURLDIAL,

Name #3 cont.

ORTS_2DEXTERNALWIPERS,
ORTS_BATTERY_SWITCH_COMMAND_BUTTON_CLOSE,
ORTS_BATTERY_SWITCH_COMMAND_BUTTON_OPEN,
ORTS_BATTERY_SWITCH_COMMAND_SWITCH,
ORTS_BATTERY_SWITCH_ON,
ORTS_BLOWDOWN_VALVE,
ORTS_CIRCUIT_BREAKER_AUTHORIZED,
ORTS_CIRCUIT_BREAKER_CLOSED,
ORTS_CIRCUIT_BREAKER_DRIVER_CLOSING_AUTHORIZATION,
ORTS_CIRCUIT_BREAKER_DRIVER_CLOSING_ORDER,
ORTS_CIRCUIT_BREAKER_DRIVER_OPENING_ORDER,
ORTS_CIRCUIT_BREAKER_OPEN_AND_AUTHORIZED,
ORTS_CIRCUIT_BREAKER_OPEN,
ORTS_CIRCUIT_BREAKER_STATE,
ORTS_CURRENT_CAB_IN_USE,
ORTS_SERVICE_RETENTION_BUTTON,
ORTS_SERVICE_RETENTION_CANCELLATION_BUTTON,
ORTS_SIGNED_TRACTION_BRAKING,
ORTS_SIGNED_TRACTION_TOTAL_BRAKING,
ORTS_TRACTION_CUT_OFF_RELAY_AUTHORIZED,
ORTS_TRACTION_CUT_OFF_RELAY_DRIVER_CLOSING_AUTHORIZATION,
ORTS_TRACTION_CUT_OFF_RELAY_DRIVER_CLOSING_ORDER,
ORTS_TRACTION_CUT_OFF_RELAY_DRIVER_OPENING_ORDER,
ORTS_TRACTION_CUT_OFF_RELAY_OPEN_AND_AUTHORIZED,
ORTS_TRACTION_CUT_OFF_RELAY_CLOSED,
ORTS_TRACTION_CUT_OFF_RELAY_OPEN,
ORTS_TRACTION_CUT_OFF_RELAY_STATE,
ORTS_ELECTRIC_TRAIN_SUPPLY_COMMAND_SWITCH,
ORTS_ELECTRIC_TRAIN_SUPPLY_ON,
ORTS_PLAYER_DIESEL_ENGINE_STARTER,
ORTS_PLAYER_DIESEL_ENGINE_STATE,
ORTS_PLAYER_DIESEL_ENGINE_STOPPER,
ORTS_HELPERS_DIESEL_ENGINES,
ORTS_PLAYER_DIESEL_ENGINE,
ORTS_DIESEL_TEMPERATURE,
ORTS_STATIC_DISPLAY,
ORTS_ITEM1CONTINUOUS,
ORTS_ITEM1TWOSTATE,
ORTS_ITEM2CONTINUOUS,
ORTS_ITEM2TWOSTATE,
ORTS_LARGE_EJECTOR,
ORTS_ODOMETER_DIRECTION,
ORTS_ODOMETER_RESET,
ORTS_ODOMETER,
ORTS_OIL_PRESSURE,
ORTS_OTHER_CAB_IN_USE,
ORTS_QUICKRELEASE,
ORTS_RIGHTDOOR,
ORTS_SCREEN_SELECT,
ORTS_SECONDDIAL,
PANTOGRAPH,
PANTOGRAPH2,
PANTOGRAPHS_4,
PANTOGRAPHS_4C,
PANTOGRAPHS_5,
PENALTY_APP,

Name #5

ENUMS
NEEDLE,
POINTER,
SOLID,
LIQUID,
SPRUNG,
NOT_SPRUNG,
WHILE_PRESSED,
PRESSED,
ONOFF,
_24HOUR,
_12HOUR

Name #6

ENUMS
BAR,
PSI,
KILOPASCALS,
KGS_PER_SQUARE_CM,
AMPS,
VOLTS,
KILOVOLTS,
KM_PER_HOUR,
MILES_PER_HOUR,
METRESpSECpSEC,
METRES_SEC_SEC,
KMpHOURpHOUR,
KM_HOUR_HOUR,
KMpHOURpSEC,
KM_HOUR_SEC,

#6 cont.

METRESpSECpHOUR,
METRES_SEC_HOUR,
MILES_HOUR_MIN,
MILES_HOUR_HOUR,
NEWTONS,
KILO_NEWTONS,
KILO_LBS,
METRES_PER_SEC,
LITRES,
GALLONS,
INCHES_OF_MERCURY,
MILI_AMPS,
RPM,
LBS,
KILOMETRES,
METRES,
MILES,
FEET,
YARDS

Name #3 cont.

// TCS Controls
ORTS_TCS1,
ORTS_TCS10,
ORTS_TCS11,
ORTS_TCS12,
ORTS_TCS13,
ORTS_TCS14,
ORTS_TCS15,
ORTS_TCS16,
ORTS_TCS17,
ORTS_TCS18,
ORTS_TCS19,
ORTS_TCS2,
ORTS_TCS20,
ORTS_TCS21,
ORTS_TCS22,
ORTS_TCS23,
ORTS_TCS24,
ORTS_TCS25,
ORTS_TCS26,
ORTS_TCS27,
ORTS_TCS28,
ORTS_TCS29,
ORTS_TCS3,
ORTS_TCS30,
ORTS_TCS31,
ORTS_TCS32,
ORTS_TCS33,
ORTS_TCS34,
ORTS_TCS35,
ORTS_TCS36,
ORTS_TCS37,
ORTS_TCS38,
ORTS_TCS39,
ORTS_TCS4,
ORTS_TCS40,
ORTS_TCS41,
ORTS_TCS42,
ORTS_TCS43,
ORTS_TCS44,
ORTS_TCS45,
ORTS_TCS46,
ORTS_TCS47,
ORTS_TCS48,
ORTS_TCS5,
ORTS_TCS6,
ORTS_TCS7,
ORTS_TCS8,
ORTS_TCS9,
ORTS_WATER_SCOOP,
OVERSPEED,
PANTO_DISPLAY,
REGULATOR,
RESET,
REVERSER_PLATE,
RIGHTDOOR,
RPM_2,
RPM,
SANDERS,
SANDING,
SMALL_EJECTOR,
SPEED_PROJECTED,
SPEEDLIM_DISPLAY,
SPEEDLIMIT,
SPEEDOMETER,
STEAM_HEAT,
STEAM_INJ1,
STEAM_INJ2,
STEAM_PR,
STEAMCHEST_PR,
STEAMHEAT_PRESSURE,
TENDER_WATER,
THROTTLE_DISPLAY,
THROTTLE,
TRACTION_BRAKING,
TRAIN_BRAKE,
VACUUM_EXHAUSTER,
VACUUM_RESERVOIR_PRESSURE,
WATER_INJECTOR1,
WATER_INJECTOR2,
WHEELSLIP,
WHISTLE,
WIPERS

CONTROLS ATTRIBUTES

CabViewControls (
Name#1 (
Name#2

Name #1 STRINGS

GAUGE
FIREBOX
MULTISTATEDISPLAY
DIGITAL
DIGITALCLOCK
CABSIGNALDISPLAY
LEVER
TWOSTATE
TRISTATE
MULTISTATE
COMBINEDCONTROL
DIAL
ORTSANIMATEDDISPLAY
SCREENDISPLAY
DIALCLOCK

DIAL

TYPE
POSITION
SCALERANGE
GRAPHIC
STYLE
UNITS
PIVOT
DIRINCREASE
SCALEPOS
ORTSDISPLAY
ORTSSCREENPAGE
ORTSCABVIEWPOINT
DISABLEDIFLOWVOLTAGE --
POWERSUPPLYOFF
DISABLEDIFCABPOWER --
SUPPLYOFF

GAUGE

TYPE
POSITION
SCALERANGE
GRAPHIC
AREA
STYLE
UNITS
ZEROPOS
ORIENTATION
DIRINCREASE
POSITIVECOLOUR
CONTROLCOLOUR
SWITCHVAL
NEGATIVECOLOUR
DECREASECOLOUR
ORTSANGLE
ORTSDISPLAY
ORTSSCREENPAGE
ORTSCABVIEWPOINT
DISABLEDIFLOWVOLTAGE --
POWERSUPPLYOFF
DISABLEDIFCABPOWER --
SUPPLYOFF

ORTS ANIMATED DISPLAY

TYPE
POSITION
SCALERANGE
GRAPHIC
UNITS
ORTSCYCLETIME
STATES
STYLE
SWITCHVAL
ORTSDISPLAY
ORTSSCREENPAGE
ORTSCABVIEWPOINT

FIREBOX

FUELCOAL
+ ALL OF GAUGE ATTRIBUTES

MULTISTATE DISPLAY

TYPE
POSITION
SCALERANGE
GRAPHIC
UNITS
STATES
STYLE
SWITCHVAL
ORTSDISPLAY
ORTSSCREENPAGE
ORTSCABVIEWPOINT
DISABLEDIFLOWVOLTAGE --
POWERSUPPLYOFF
DISABLEDIFCABPOWER --
SUPPLYOFF

SCREEN DISPLAY

TYPE
POSITION
GRAPHIC
UNITS
PARAMETERS
ORTSDISPLAY
ORTSSCREENPAGE
ORTSCABVIEWPOINT
DISABLEDIFLOWVOLTAGE --
POWERSUPPLYOFF
DISABLEDIFCABPOWER --
SUPPLYOFF

DIGITAL

TYPE
POSITION
SCALERANGE
GRAPHIC
STYLE
UNITS
PLYOFF
LEADINGZEROS
ACCURACY
ACCURACYSWITCH
JUSTIFICATION
POSITIVECOLOUR
CONTROLCOLOUR
SWITCHVAL
NEGATIVECOLOUR
DECREASECOLOUR
ORTSFONT
ORTSANGLE
ORTSDISPLAY
ORTSSCREENPAGE
ORTSCABVIEWPOINT
DISABLEDIFLOWVOLTAGE --
POWERSUPPLYOFF
DISABLEDIFCABPOWER --
SUPPLYOFF

DIALCLOCK

HOURS
MINUTES
SECONDS

DIGITALCLOCK

TYPE
POSITION
SCALERANGE
GRAPHIC
STYLE
UNITS
PLYOFF
LEADINGZEROS
ACCURACY
ACCURACYSWITCH
JUSTIFICATION
POSITIVECOLOUR
CONTROLCOLOUR
SWITCHVAL
NEGATIVECOLOUR
DECREASECOLOUR
ORTSFONT
ORTSANGLE
ORTSDISPLAY
ORTSSCREENPAGE
ORTSCABVIEWPOINT
DISABLEDIFLOWVOLTAGE --
POWERSUPPLYOFF
DISABLEDIFCABPOWER --
SUPPLYOFF

CABSIGNALDISPLAY LEVER TWOSTATE TRISTATE MULTISTATE COMBINED CONTROL

TYPE
POSITION
SCALERANGE
GRAPHIC
STYLE
UNITS
MOUSECONTROL
ORIENTATION
DIRINCREASE
NUMFRAMES
NUMPOSITIONS
NUMVALUES
ORTSDISPLAY
ORTSSCREENPAGE
ORTSCABVIEWPOINT
ORTSNEWSCREENPAGE
DISABLEDIFLOWVOLTAGE --
POWERSUPPLYOFF
DISABLEDIFCABPOWER --
SUPPLYOFF