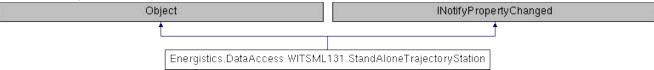
Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation Class Reference

WITSML - Trajectory Station Component Schema More...

Inheritance diagram for Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation:



Protected Member Functions

void NotifyPropertyChanged (String info)

String	NameWell [get, set] Human recognizable context for the well that contains the wellbore.
String	NameWellbore [get, set] Human recognizable context for the wellbore that contains the trajectory.
String	NameTrajectory [get, set] Human recognizable context for the trajectory that contains the trajectory station.
RefNameString	Target [get, set] A pointer to the intended target of this station.
DateTime	DateTimeStn [get, set] Date and time the station was measured or created.
Boolean	DateTimeStnSpecified [get, set]
TrajStationType	TypeTrajStation [get, set] Type of survey station.
TypeSurveyTool	TypeSurveyTool [get, set] The type of tool used for the measurements.
Boolean	TypeSurveyToolSpecified [get, set]
MeasuredDepthCoord	MD [get, set] Measured depth of measurement from the drill datum.
WellVerticalDepthCoord	Tvd [get, set] Vertical depth of the measurements.
PlaneAngleMeasure	Incl [get, set] Hole inclination, measured from vertical.
PlaneAngleMeasure	Azi [get, set] Hole azimuth. Corrected to wells azimuth reference.
PlaneAngleMeasure	Mtf [get, set] Toolface angle (magnetic).
PlaneAngleMeasure	Gtf [get, set] Toolface angle (gravity).
I engthMeasure	DispNS [get, set]

	North-south offset, positive to the North. This is relative to wellLocation with a North axis orientation of aziRef. If a displacement with respect to a different point is desired then define a localCRS and specify local coordinates in location.
LengthMeasure	
Lenginweasure	East-west offset, positive to the East. This is relative to wellLocation with a North axis
	orientation of aziRef. If a displacement with respect to a different point is desired then
	define a localCRS and specify local coordinates in location.
I am with Managemen	
Lengtnweasure	VertSect [get, set]
	Distance along vertical section azimuth plane.
AnglePerLengthMeasure	
	Dogleg severity.
AnglePerLengthMeasure	RateTurn [get, set]
	Turn rate, radius of curvature computation.
AnglePerLengthMeasure	RateBuild [get, set]
3 3	Build Rate, radius of curvature computation.
Moasurod Donth Coord	MDDelta [get, set]
MeasuredDepti1Coord	Delta measured depth from previous station.
WellVerticalDepthCoord	
	Delta true vertical depth from previous station.
String	ModelToolError [get, set]
	Tool error model used to compute covariance matrix.
AccelerationLinearMeasure	GravTotalUncert [get, set]
	Survey tool gravity uncertainty.
PlaneAngleMeasure	
FlaneAnglemeasure	Survey tool dip uncertainty.
MagneticInductionMeasure	
	Survey tool magnetic uncertainty.
Boolean	GravAccelCorUsed [get, set]
	Was an accelerometer alignment correction applied to survey computation? Values are
	"true" (or "1") and "false" (or "0").
Boolean	GravAccelCorUsedSpecified [get, set]
Boolean	MagXAxialCorUsed [get, set]
	Was a magnetometer alignment correction applied to survey computation? Values are
	"true" (or "1") and "false" (or "0").
Boolean	MagXAxialCorUsedSpecified [get, set]
Boolean	magnitude of escapeonica [get, set]
D1.	ConCorlland Luck with 1
Boolean	SagCorUsed [get, set]
	Was a bottom hole assembly sag correction applied to the survey computation? Values are "true" (or "1") and "false" (or "0").
Boolean	SagCorUsedSpecified [get, set]
Boolean	MagDrlstrCorUsed [get, set]
	Was a drillstring magnetism correction applied to survey computation? Values are
	"true" (or "1") and "false" (or "0").
Boolean	MagDrlstrCorUsedSpecified [get, set]
_ 53.66.1	
Acceleration incarMeasure	GravTotalFieldReference [get, set]
AcceletationLinearMeasure	GIAVIOLAIFIEIUNEIEIEILE [get, set]

	Gravitational field theoretical/reference value.
MagneticInductionMeasure	
MagneticificuctionMeasure	Geomagnetic field theoretical/reference value.
PlaneAngleMeasure	MagDipAngleReference [get, set] Magnetic dip angle theoretical/reference value.
String	MagModelUsed [get, set] Geomagnetic model used.
String	MagModelValid [get, set] Current valid interval for the geomagnetic model used.
String	GeoModelUsed [get, set] Gravitational model used.
TrajStationStatus	StatusTrajStation [get, set] Status of the station.
Boolean	StatusTrajStationSpecified [get, set]
StnTrajRawData	RawData [get, set] Applies only to measured magnetic stations.
StnTrajCorUsed	CorUsed [get, set] Applies only to measured magnetic stations.
StnTrajValid	Valid [get, set] Applies only to measured magnetic stations.
StnTrajMatrixCov	MatrixCov [get, set] Covariance matrix for error model.
List< Location >	Location [get, set] The 2D coordinates of the item. Note that within the context of trajectory, the "original" coordinates are inherently local coordinates as defined above.
RefWellboreTrajectoryStation	SourceStation [get, set] A pointer to the trajectoryStation from which this station was derived. The trajectoryStation may be in another wellbore.
CommonData	CommonData [get, set] A container element that contains elements that are common to all data objects.
CustomData	CustomData [get, set] A container element that can contain custom or user defined data elements.
String	UidWell [get, set]
String	UidWellbore [get, set]
String	UidTrajectory [get, set]
String	Uid [get, set]
Events	

Detailed Description

WITSML - Trajectory Station Component Schema

Member Function Documentation

void

Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.NotifyPropertyChanged (String info) protected

Triggers PropertyChanged Event

Parameters

info Name of property changed

Property Documentation

PlaneAngleMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.Azi get set Hole azimuth. Corrected to wells azimuth reference. CommonData Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.CommonData get set A container element that contains elements that are common to all data objects. StnTrajCorUsed Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.CorUsed get set Applies only to measured magnetic stations. CustomData Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.CustomData get set A container element that can contain custom or user defined data elements. DateTime Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.DateTimeStn get set Date and time the station was measured or created. Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.DateTimeStnSpecified get set dTimStnSpecified property

PlaneAngleMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.DipAngleUncert	get set
Survey tool dip uncertainty.	
LengthMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.DispEW	get set
East-west offset, positive to the East. This is relative to wellLocation with a North axis orientation of aziRef. If a displacement with respect to a different point is desired then define a localCRS and specify local coordinates in location.	
LengthMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.DispNS	get set
North-south offset, positive to the North. This is relative to wellLocation with a North axis orientation of aziRef. If a displacement with respect to a different point is desired then define a localCRS and specify local coordinates in location.	
AnglePerLengthMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.DoglegSeverity	get set
Dogleg severity.	
String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.GeoModelUsed	get set
Gravitational model used.	
Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.GravAccelCorUsed	get set
Was an accelerometer alignment correction applied to survey computation? Values are "true" (or "1") and "false"	(or "0").
Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.GravAccelCorUsedSpecified	get set
gravAccelCorUsedSpecified property	
AccelerationLinearMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.GravTotalFieldReference	get set
Gravitational field theoretical/reference value.	
AccelerationLinearMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.GravTotalUncert	get set
Survey tool gravity uncertainty.	

PlaneAngleMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.Gtf	get set
Toolface angle (gravity).	
PlaneAngleMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.Incl	get set
Hole inclination, measured from vertical.	
List <location> Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.Location</location>	get set
The 2D coordinates of the item. Note that within the context of trajectory, the "original" coordinates are inherently coordinates as defined above.	local
PlaneAngleMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MagDipAngleReference	get set
Magnetic dip angle theoretical/reference value.	
Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MagDrlstrCorUsed	get set
Was a drillstring magnetism correction applied to survey computation? Values are "true" (or "1") and "false" (or "0").	
Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MagDrlstrCorUsedSpecified	get set
magDrlstrCorUsedSpecified property	
String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MagModelUsed	get set
Geomagnetic model used.	
String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MagModelValid	get set
Current valid interval for the geomagnetic model used.	
MagneticInductionMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MagTotalFieldReference	get set
Geomagnetic field theoretical/reference value.	

MagneticInductionMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MagTotalUncert	get set
Survey tool magnetic uncertainty.	
Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MagXAxialCorUsed	get set
Was a magnetometer alignment correction applied to survey computation? Values are "true" (or "1") and "false" (or	or "0").
Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MagXAxialCorUsedSpecified	get set
magXAxialCorUsedSpecified property	
StnTrajMatrixCov Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MatrixCov	get set
Covariance matrix for error model.	
MeasuredDepthCoord Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MD	get set
Measured depth of measurement from the drill datum.	
MeasuredDepthCoord Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.MDDelta	get set
Delta measured depth from previous station.	
String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.ModelToolError	get set
Tool error model used to compute covariance matrix.	
PlaneAngleMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.Mtf	get set
Toolface angle (magnetic).	
String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.NameTrajectory	get set
Human recognizable context for the trajectory that contains the trajectory station.	
String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.NameWell	get set
Human recognizable context for the well that contains the wellbore.	

String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.NameWellbore	get set
Human recognizable context for the wellbore that contains the trajectory.	
AnglePerLengthMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.RateBuild	get set
Build Rate, radius of curvature computation.	
AnglePerLengthMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.RateTurn	get set
Turn rate, radius of curvature computation.	
StnTrajRawData Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.RawData	get set
Applies only to measured magnetic stations.	
Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.SagCorUsed	get set
Was a bottom hole assembly sag correction applied to the survey computation? Values are "true" (or "1") and "false" (or "0").	
Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.SagCorUsedSpecified	get set
sagCorUsedSpecified property	
sagCorUsedSpecified property RefWellboreTrajectoryStation Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.SourceStation	get set
RefWellboreTrajectoryStation	
RefWellboreTrajectoryStation Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.SourceStation	
RefWellboreTrajectoryStation Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.SourceStation A pointer to the trajectoryStation from which this station was derived. The trajectoryStation may be in another w	rellbore.
RefWellboreTrajectoryStation Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.SourceStation A pointer to the trajectoryStation from which this station was derived. The trajectoryStation may be in another w TrajStationStatus Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.StatusTrajStation	rellbore.
RefWellboreTrajectoryStation Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.SourceStation A pointer to the trajectoryStation from which this station was derived. The trajectoryStation may be in another w TrajStationStatus Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.StatusTrajStation Status of the station.	rellbore.
RefWellboreTrajectoryStation Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.SourceStation A pointer to the trajectoryStation from which this station was derived. The trajectoryStation may be in another w TrajStationStatus Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.StatusTrajStation Status of the station. Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.StatusTrajStationSpecified	rellbore.

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WellVerticalDepthCoord Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.Tvd	get set
Vertical depth of the measurements.	
WellVerticalDepthCoord Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.TvdDelta	get set
Delta true vertical depth from previous station.	
TypeSurveyTool Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.TypeSurveyTool	get set
The type of tool used for the measurements.	
Boolean Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.TypeSurveyToolSpecified	get set
typeSurveyToolSpecified property	
TrajStationType Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.TypeTrajStation	get set
Type of survey station.	
String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.Uid	get set
uid property	
String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.UidTrajectory	get set
Unique identifier for the trajectory. This uniquely represents the trajectory referenced by the (possibly non-unique) nameTraj.	
String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.UidWell	get set
Unique identifier for the well. This uniquely represents the well referenced by the (possibly non-unique) nameWell	
String Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.UidWellbore	get set
Unique identifier for the wellbore. This uniquely represents the wellbore referenced by the (possibly non-unique) nameWellbore.	
StnTrajValid Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.Valid	get set
Applies only to measured magnetic stations.	

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LengthMeasure Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.VertSect	get set
Distance along vertical section azimuth plane.	

Event Documentation

Occurs when a property value changes.

PropertyChangedEventHandler Energistics.DataAccess.WITSML131.StandAloneTrajectoryStation.PropertyChanged

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