

Load Definition: Direct Analysis

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Functions

- afx_msg VARIANT **OSLoadUI::AddDirectAnalysisDefinitionParameter** (DirectAnalysisParameterTypes pParamType, const VARIANT FAR &members, double param)
Adds Direct Analysis Definition (FLEX,AXIAL parameters).
- afx_msg VARIANT **OSLoadUI::DeleteDirectAnalysisDefinitionParameter** (DirectAnalysisParameterTypes pParamType)
Deletes respective parameters from Direct Analysis Definition based on the Parameter Type passed as argument (FLEX/AXIAL).
- afx_msg VARIANT **OSLoadUI::DeleteDirectAnalysisDefinition** ()
Deletes whole Direct Analysis Definition.
-

Detailed Description

These functions are related to Direct Analysis Definition.

Function Documentation

- ◆ **AddDirectAnalysisDefinitionParameter()**

```
VARIANT OSLoadUI::AddDirectAnalysisDefinitionParameter ( DirectAnalysisParameterTypes pParamType,
                                                       const VARIANT FAR &           members,
                                                       double                  param )
```

Adds Direct Analysis Definition (FLEX,AXIAL parameters).

Parameters

[in] **pParamType** Integer indicating type of direct analysis parameter to be added. Integer value should be taken from following table.

Value	AnalysisCommand
FLEX = 0	DirectAnalysisParameterTypes.FLEX
AXIAL = 2	DirectAnalysisParameterTypes.AXIAL

[in] **members** one dimensional array of members of int/long type.

[in] **param** FLEX parameter value of double type. [For AXIAL this value is Not Applicable. Should pass 0(zero)]

Return values

TRUE/1 OK.

FALSE/0 ERROR

C++ Syntax

```
//Add FLEX Analysis Definition with factor 0.6 to meber 1 and 2.
int membersArray[] = { 1, 2 };
int parameter = 0.6;
var RetVal =
    OSLoadUI::AddDirectAnalysisDefinitionParameter(DirectAnalysisParameterTypes.FLEX,
    membersArray, parameter);
```

VBA Syntax

```
'Add FLEX Analysis Definition with factor 0.6 to meber 1 and 2.
Dim membersArray(1) As Integer
membersArray(0) = 1
membersArray(1) = 2
Dim RetVal As Variant
RetVal = objOpenStaad.Load.AddDirectAnalysisDefinitionParameter(0, membersArray, 0.6)
```

C# Syntax

```
//Add FLEX Analysis Definition with factor 0.6 to meber 1 and 2.
int[] membersArray = { 1, 2 };
int parameter = 0.6;
bool RetVal =
    OSLoadUI::AddDirectAnalysisDefinitionParameter(DirectAnalysisParameterTypes.FLEX,
    membersArray, parameter);
```

See also

[OSLoadUI::DeleteDirectAnalysisDefinitionParameter](#)

[OSLoadUI::DeleteDirectAnalysisDefinition](#)

◆ DeleteDirectAnalysisDefinition()

VARIANT OSLoadUI::DeleteDirectAnalysisDefinition()

Deletes whole Direct Analysis Definition.

Return values

TRUE/1 OK.

FALSE/0 ERROR

VBA Syntax

```
'Deletes whole Direct Analysis Definition.  
OSLoadUI.DeleteDirectAnalysisDefinition()
```

C++ Syntax

```
//Deletes whole Direct Analysis Definition.  
var RetVal = OSLoadUI.DeleteDirectAnalysisDefinition();
```

C# Syntax

```
//Deletes whole Direct Analysis Definition.  
var RetVal = OSLoadUI::DeleteDirectAnalysisDefinition();
```

See also

[OSLoadUI::DeleteDirectAnalysisDefinitionParameter](#)

[OSLoadUI::AddDirectAnalysisDefinitionParameter](#)

◆ DeleteDirectAnalysisDefinitionParameter()

VARIANT OSLoadUI::DeleteDirectAnalysisDefinitionParameter (DirectAnalysisParameterTypes pParamType)

Deletes respective parameters from Direct Analysis Definition based on the Parameter Type passed as argument (FLEX/AXIAL).

Parameters

[in] **pParamType** Integer indicating type of direct analysis parameter to be added. Integer value should be taken from following table.

Value	AnalysisCommand
FLEX = 0	DirectAnalysisParameterTypes.FLEX
AXIAL = 2	DirectAnalysisParameterTypes.AXIAL

Return values

TRUE/1 OK.

FALSE/0 ERROR

VBA Syntax

```
//Deletes all FLEX parameters from Direct Analysis Definition.
OSLoadUI.DeleteDirectAnalysisDefinitionParameter(DirectAnalysisParameterTypes.FLEX)
```

C++ Syntax

```
//Deletes all FLEX parameters from Direct Analysis Definition.
var RetVal =
    OSLoadUI.DeleteDirectAnalysisDefinitionParameter(DirectAnalysisParameterTypes.FLEX);
```

C# Syntax

```
//Deletes all AXIAL parameters from Direct Analysis Definition.
var RetVal =
    OSLoadUI::DeleteDirectAnalysisDefinitionParameter(DirectAnalysisParameterTypes.AXIAL)
```

See also

[OSLoadUI::DeleteDirectAnalysisDefinition](#)

[OSLoadUI::AddDirectAnalysisDefinitionParameter](#)