MES Standard Model

Multilanguage. Guide

Index

1. Multi-language

■ **Scope of Multi-language**

Category	Code	Description
Item	ITM	Screen title, search condition label, table caption, grid header, grid title, tab title, etc
Code Master	CDM	
Code Value	CDD	
Menu	MNU	
Message	MSG	

1. Multi-language

■ Multi-language Apply Sequence (for item category)

Priority	Value	Description
1	isMultilanguage	First priority in multi-language function. If this property added in source, system always display caption data in screen.
2	Multi-language setting = "Y"	System have option for multi-language display. If multi-language option is 'Y' then system will follow below priority sequence.
2-1	itemCd, itemValue	Searching multi-language information by 'itemCd' property value. → Default itemValue is '0'. If it is not mentioned, system will display 'contents' value in multi-language information
2-2	name	Searching multi-language information by 'name' property value. (itemValue = 0)
2-3	caption	use 'caption' property value for multi-language.
3	Multi-language setting = "N"	System have option for multi-language display. If multi-language option is 'N' then system will follow below priority sequence.
3-1	caption	Always use 'caption' property value for multi-language.

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1. Multi-language

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■ **Multi-language Example (for item category)**
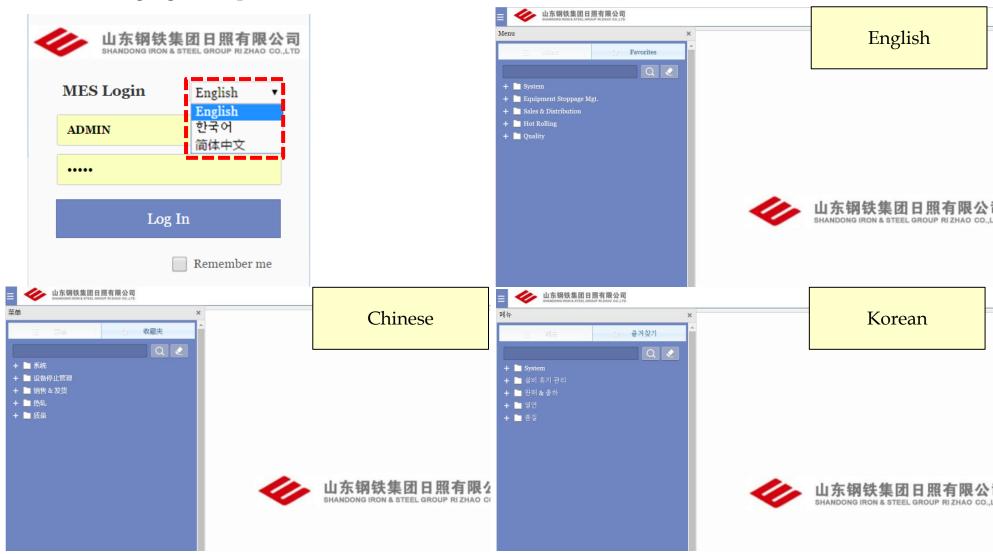
Item Code		Contents	Alt 1	Alt 2	Alt 3
MTRL_NO	EN	Material No ④			
SLAB_NO	EN	Slab No ③	Slab ②	No	
COIL_NO	EN	Coil No	Coil	No	
ORD_NO	EN	Order No	Order	No	

Example 1) system option = 'Y'

- ① { caption: 'Material', name: 'MTRL_NO', isMultilanguage: false }   ➔ 'Material' ①
- { caption: 'Material', name: 'MTRL_NO', itemCd: 'SLAB_NO', itemValue: 1}   ➔ 'Slab' ②
- { caption: 'Material', name: 'MTRL_NO', itemCd: 'SLAB_NO'}   ➔ 'Slab No' ③
- { caption: 'Material', name: 'MTRL_NO'}   ➔ 'Material No' ④

- Example 2) system option = 'N'
- { caption: 'Material', name: 'MTRL_NO', itemCd: 'SLAB_NO', itemValue: 1}   ➔ 'Material'
  ⑤
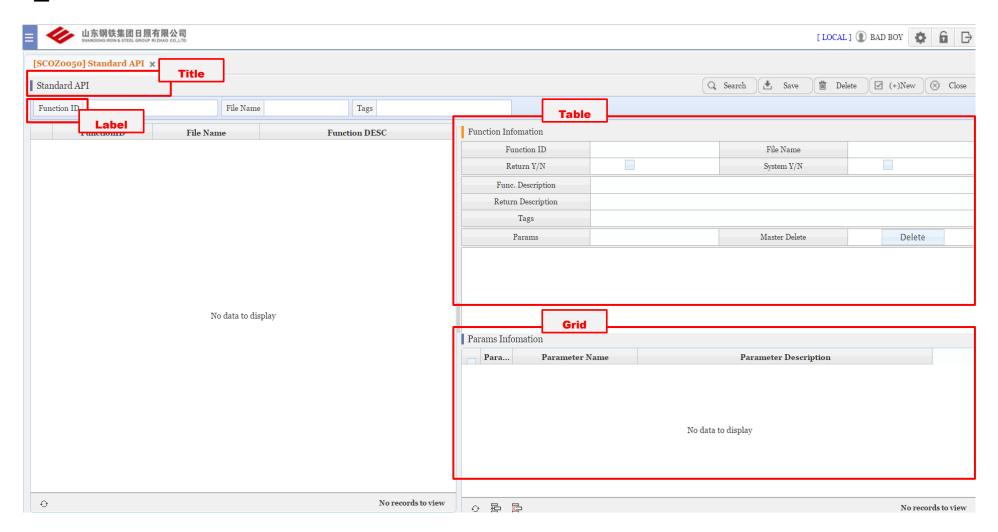
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1. Multi-language

■ Multi-language Example (Menu)

English

Chinese

Korean

2. Item

■ what is 'item' ??

■ what is 'item' ??

2. Item

■ Screen Title

[SCOZoo50] **Standard API** ①

| Standard API ②

```html
<html>
<head>
<meta http-equiv="content-type" content="text/html;charset=utf-8" />
<%@ include file="../include/include.jsp">
<title>Standard API</title>
<script type="text/javascript">
```

1. 'Title' in screen will be replace with menu title without screen id.
2. 'Title' in source only apply in local system

■ Screen Label

| Owner Chain | ▼ | Upload ID | | Upload Name | |

```
case 'UPLOAD_DATA_INFO' : // SCOG0090
    objItems = [
            {groupname: 'divSearch1', caption: 'Owner Chain', name: 'BIZ_CHAIN_CD', width: 130, datatype: 'lov' , itemCd: 'CAP_OWNER_CHAIN'},
            {groupname: 'divSearch1', caption: 'Upload Id'  , name: 'UPLOAD_ID'   , width: 150, datatype: 'text', itemCd: 'CAP_UPLOAD_ID'  },
            {groupname: 'divSearch1', caption: 'Upload Nm'  , name: 'UPLOAD_NM'   , width: 250, datatype: 'text', itemCd: 'CAP_UPLOAD_NM'  },
        ];
    break;
```

1. Apply Sequence
   itemCd → Name → caption

■ **Grid**

①

Params Infomation

②

	Parameter Sequence	Parameter Name	Parameter Description

No data to display

⟳ 🔲 🔳   No records to view

1. For Grid Title, have to define
   → 'sCaption' and 'sItemCd'

```
case 'FUNCTION_PARAMS': // SCOZO050
    gridId = 'gridParams';
    if ( caption_flag ) {
        sCaption = 'Params Infomation';      ①
        sItemCd  = '';
    };
    objGrpItems = [
                {caption: 'Details'   , name: 'MASTER'     , width: 200    , datatype: 'text'                              }
                ];
    objItems = [                                      ②
        {caption: 'ParamSeq'    , name: 'PARAM_SEQ'    , width: 50     , datatype: 'text'    , align: 'center', readonly: true  }
        ,{caption: 'ParamName'   , name: 'PARAM_NM'     , width: 200    , datatype: 'text'    , readonly: true    }
        ,{caption: 'ParamDESC'   , name: 'PARAM_DESC'   , width: 470    , datatype: 'text'    }
        ,{caption: 'FuncID'      , name: 'FUNC_ID'      , width: 100    , datatype: 'text'    , hidden: true }
        ];
    fc_setRequiredInCol( gridId, [ 'FUNC_ID','PARAM_NM','PARAM_SEQ' ] );
    break;
```

2. Apply Sequence
   itemCd → Name → caption

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■ **Table**

Function Infomation ①			
Function ID ②		File Name	
Return Y/N	☐	System Y/N	☐
Func. Description			
Return Description			
Tags			
Params		Master Delete	Delete

> 1. For Table Title, have to define
>   → 'sCaption' and 'sItemCd'

```
case 'FUNCTION_MASTER_DETAIL1' : // SCOZ0050,SCOZ0060
if ( caption_flag ) {
    sCaption = 'Function Infomation';        ①
    sItemCd  = 'FUNC_INFO';
};
colWidths = [100, 100, 100, 100];
objCols  = [
    {caption: 'Function ID'   , name: 'Col01'     , width: 100   , datatype: 'header'    ,align:'center'},   ②
    {caption: 'Function ID'   , name: 'F_FUNC_ID'  , width: 100   , datatype: 'text'      , readonly: true },
    {caption: 'File Name'     , name: 'Col02'      , width: 100   , datatype: 'header'    ,align:'center'},
    {caption: 'File Name'     , name: 'F_FILE_NM'   , width: 100   , datatype: 'text'      , readonly: true },

    {caption: 'Return Y/N'    , name: 'Col03'      , width: 100   , datatype: 'header'    ,align:'center'},
    {caption: 'Return Y/N'    , name: 'F_RTN_YN1'  , width: 100   , datatype: 'checkbox'  ,align:'center'},
    {caption: 'System Y/N'    , name: 'Col04'      , width: 100   , datatype: 'header'    ,align:'center'},
    {caption: 'System Y/N'    , name: 'F_SYS_YN1'  , width: 100   , datatype: 'checkbox'  ,align:'center'},
    };

break;
```

> 2. Apply Sequence
>   itemCd → Name → caption

2. Item

■ Tab

Schedule List　　**Order List** ①

	Heat No.		Cast No	Heat Seq	Progress	Plan Passing ...	Start DTM
	Schedule	Act Heat No					

> 1. For Tab Title, have to define
> → 'sCaption' and 'sItemCd'

```
function fm_getTabPages( pages, sKey, sSubKey, attribute1, attribu...
    var objTabs = [];
    var sCaption = '', sItemCd = '';

    for (var i=0; i<pages.length; i++) {
        switch ( pages[i].id.toUpperCase() ) {          ①
        case 'SCH_LIST' : // SCHB0060
                sCaption = 'Schedule List';
                sItemCd  = 'CAP_SCH_LIST';
                break;
        case 'ORD_LIST' : // SCHB0060
                sCaption = 'Order List';
                sItemCd = 'CAP_ORD_LIST';
                break;
        }
        objTabs[i] = {caption: sCaption, name: pages[i].id.toUpperCase(), itemCd:sItemCd, itemValue: 0 };
    }


    return objTabs;
}; // end of fm_getTabItems
```

■ DOM Group
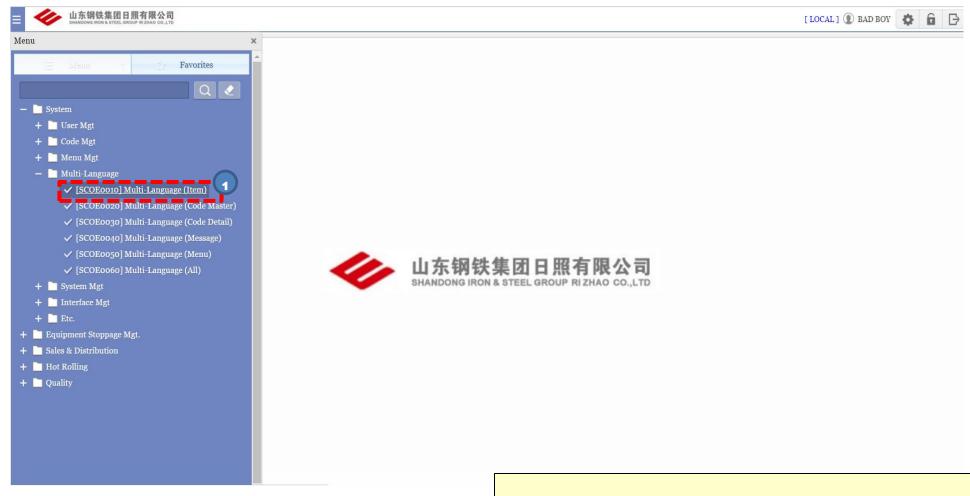

```
function fm_getHeaderItems( sKey, caption_flag, attribute1, attribute2 ) {
    var objItems = null;
    var groupCaption = null;
    var sCaption = '', sItemCd = '';

    switch ( sKey ) {
        case 'SCH_ADJ_SEC' : // SCHB0060

        if ( caption_flag ) {
            sCaption = 'Schedule Adjust Section';
            sItemCd  = '';
        };
        objItems = [
                    {groupname: 'divSearchGrp ,caption: 'SCHEDULE ADJUST SEC '   , name: 'SCH_ADJUST_SEC'  , width: 200  , datatype: 'radio'  }
                   ,{groupname: 'divSearchGrp ,caption: 'Schedule heat NO'       , name: 'SCHE_HEAT_NO'    , width: 100 , datatype: 'date'   , required: true}
                   ,{groupname: 'divSearchGrp ,caption: 'Order No'               , name: 'ORD_NO'          , width: 200 , datatype: 'text'   , hidden: true}
                   ,{groupname: 'divSearchGrp ,caption: ''                       , name: 'ORD_LINE'        , width: 200 , datatype: 'text'   , hidden: true}
                   ,{groupname: 'divSearchGrp ,caption: 'Search'                 , name: 'SEARCH'          , width: 200 , datatype: 'button' }
                 ];
        break;

    };
    groupCaption = (sCaption == '') ? null: sCaption;
    var ret = { item: objItems, caption: groupCaption };
    return ret;
}; // end of fm_getHeaderItems
```

1. For DOM Group Title, have to define
   → 'sCaption' and 'sItemCd'

2. Apply Sequence
   itemCd → Name → caption

2. Item

■ Register - Multi-Language (Item)
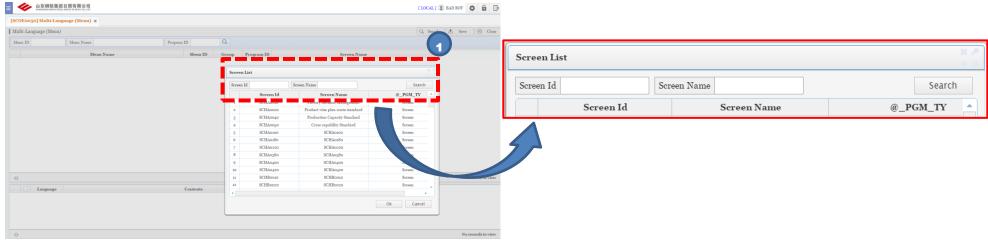

1. System → Multi-Language→ Multi-Language(Item)

2. Item

■ **Register - Multi-Language (Item)**

2. Click 'search' button, then select a item.
3. Enter multi-language information
4. Click 'save' button for save/confirmation

2. Item

■ fc_addMultiItem


```
case 'MENU_INFO' : // SCOE0050
    objItems = [
        {groupname: 'divSearch1', caption: 'Menu ID'   , name: 'MNU_ID', width: 90 , datatype: 'text' , uppercase: true
        {groupname: 'divSearch1', caption: 'Password'  , name: 'MNU_NM', width: 200, datatype: 'text' },
        {groupname: 'divSearch1', caption: 'Program Id', name: 'PGM_ID', width: 120, datatype: 'popup', uppercase: true
    ];
    fc_addCodeList ( {object: 'PGM_ID', code: 'SCREEN_CD_LIST', title: 'Screen List', manKey: '' }, { itemCd: 'CAP_SCR_INFO', it
    fc_addMultiItem( {itemCd:'SCR_ID'} );
    fc_addMultiItem( {itemCd:'SCR_NM'} );
    fc_addMultiItem( {itemCd:'CAP_SCR_INFO'} );
    break;
```

fc_addMultiItem
. Get multi-language item information from server
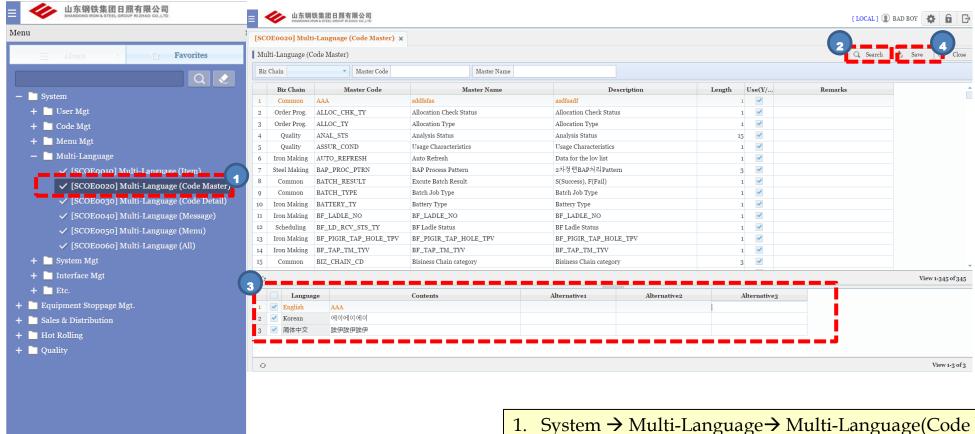. Have to use before **fc_last_proc** function.

3. Code / Menu

■ **Register - Multi-Language (Code Master)**

1. System → Multi-Language→ Multi-Language(Code Master)
2. Click 'search' button
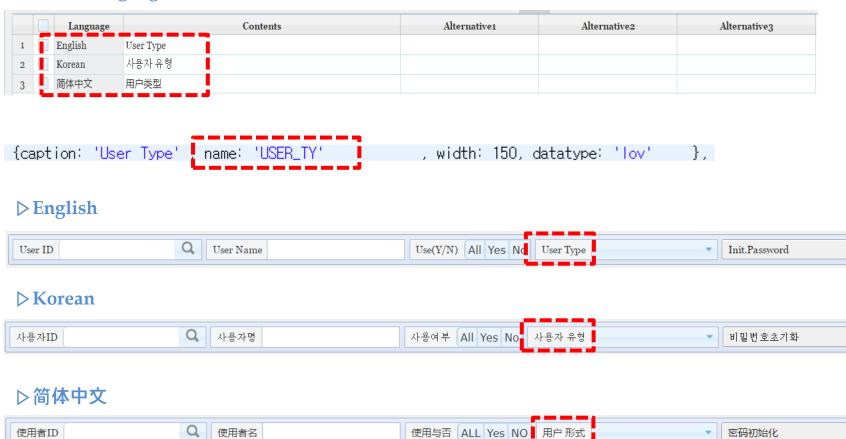3. Enter multi-language information of master code
4. Click 'save' button

3. Code / Menu

■ Multi-language Example (Code Master)

▷ Multi Language in database

		Language	Contents	Alternative1	Alternative2	Alternative3
1		English	User Type			
2		Korean	사용자 유형			
3		简体中文	用户类型			

```
{caption: 'User Type', name: 'USER_TY'          , width: 150, datatype: 'lov'     },
```

▷ English

| User ID | 🔍 | User Name | | Use(Y/N) | All | Yes | No | User Type | ▼ | Init.Password |

▷ Korean

| 사용자ID | 🔍 | 사용자명 | | 사용여부 | All | Yes | No | 사용자 유형 | ▼ | 비밀번호초기화 |

▷ 简体中文

| 使用者ID | 🔍 | 使用者名 | | 使用与否 | ALL | Yes | NO | 用户 形式 | ▼ | 密码初始化 |

3. Code / Menu

■ **Register - Multi-Language (Code Detail)**

1. System → Multi-Language→ Multi-Language(Code Detail)
2. Click 'search' button
3. Enter multi-language information of code value
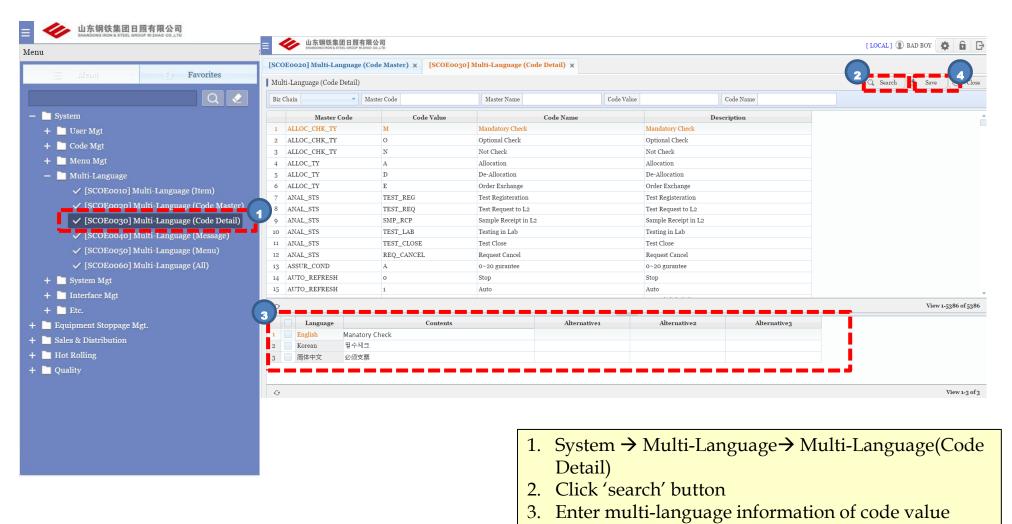4. Click 'save' button
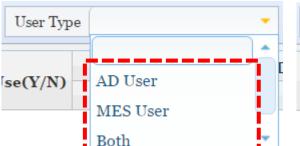
■ Multi-language Example (Code Detail)

▷ **Multi Language in database**

		Language	Contents	Alternative1	Alternative2	Alternative3
1		English	AD User			
2		Korean	AD 사용자			
3		简体中文	AD 用户			

		Language	Contents	Alternative1	Alternative2	Alternative3
1		English	MES User			
2		Korean	MES 사용자			
3		简体中文	MES 用户			

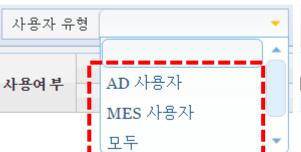|		Language	Contents	Alternative1	Alternative2	Alternative3
1		English	Both			
2		Korean	모두			
3		简体中文	全部			

```
fc_addDataInGettedLov( 'USER_TY', {code: 'USER_TY', tags: '', alias: ''} );
fc_addDataInSettingLov( {object: 'USER_TY', code: 'USER_TY', format: 'V', nullable: true , defval: ''} );
```

▷ **English**

User Type	▼
se(Y/N)	AD User
	MES User
	Both

▷ **Korean**

사용자 유형	▼
사용여부	AD 사용자
	MES 사용자
	모두

▷ **简体中文**

用户 形式	▼
用与否	AD 用户
	MES 用户
	全部

3. Code / Menu

■ **Register - Multi-Language (Menu)**
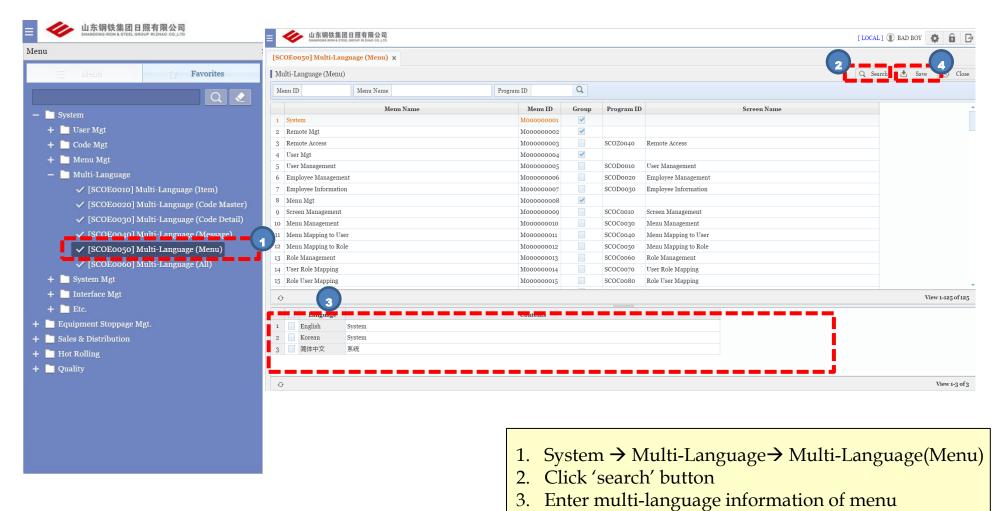
1. System → Multi-Language→ Multi-Language(Menu)
2. Click 'search' button
3. Enter multi-language information of menu
4. Click 'save' button

3. Code / Menu

■ Multi-language Example (Menu)

▷ Multi Language in database

		Language	Contents
1		English	System
2		Korean	System
3		简体中文	系统

▷ English

▷ Korean

▷ 简体中文

4. Message

■ Register - Multi-Language (Message)

1. System → Multi-Language→ Multi-Language(Message)
2. Click 'search' button
3. Enter multi-language information of message
4. Click 'save' button
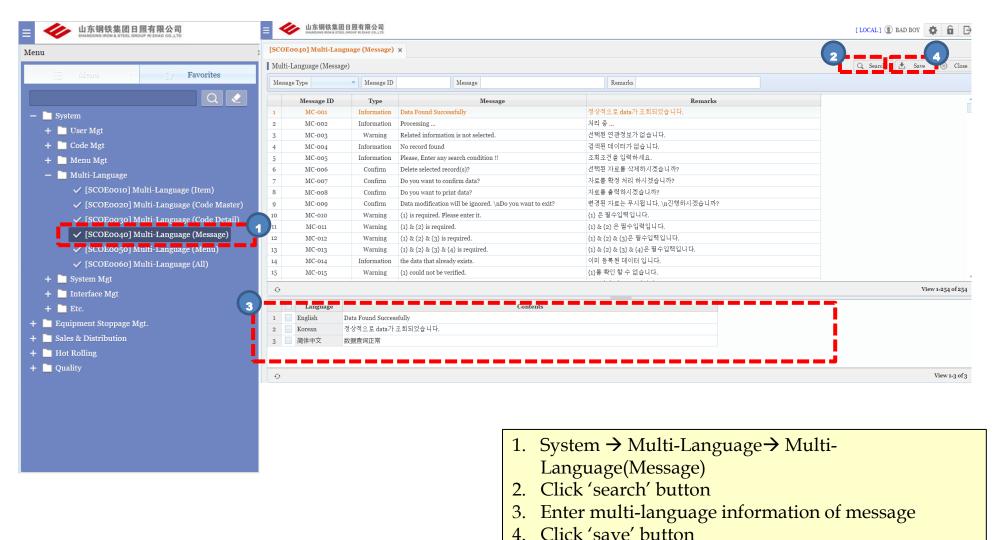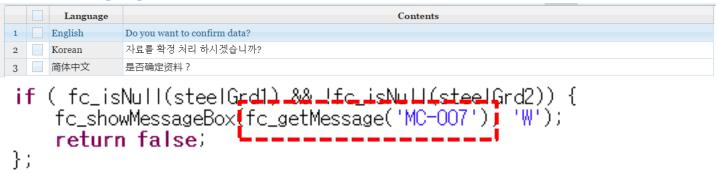
4. Message

■ Multi-language Example (Message: JSP)

▷ Multi Language in database

		Language	Contents
1	☐	English	Do you want to confirm data?
2	☐	Korean	자료를 확정 처리 하시겠습니까?
3	☐	简体中文	是否确定资料？

```
if ( fc_isNull(steelGrd1) && !fc_isNull(steelGrd2)) {
    fc_showMessageBox(fc_getMessage('MC-007'), 'W');
    return false;
};
```

▷ English

Warning	✕ ✐
⚠ [MC-007] Do you want to confirm data?	
Ok	

▷ Korean

경고	✕ ✐
⚠ [MC-007] 자료를 확정 처리 하시겠습니까?	
Ok	

▷ 简体中文

警告	✕ ✐
⚠ [MC-007] 是否确定资料？	
确认	
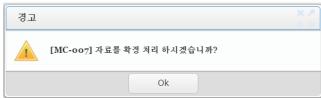
```
function f_lastProc() {
    fc_setMessage ( ['MC-007'] );
    fc_lastProc();
}; // end of f_lastProc
```
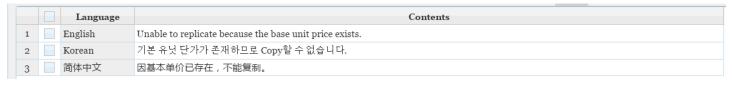
fc_setMessage
. Get multi-language Message information from server
. Have to use before **fc_last_proc** function.

■ **Multi-language Example (Message: Package)**

▷**Multi Language in database**

		Language	Contents
1	☐	English	Unable to replicate because the base unit price exists.
2	☐	Korean	기본 유닛 단가가 존재하므로 Copy할 수 없습니다.
3	☐	简体中文	因基本单价已存在，不能复制。

```
IF   (N_CNT > 0) THEN
     PE.PR_SET_ERROR(FC_MSG_NM('MC-211'));
END IF;
RETURN;
```

▷ **English**

Error	✕ ✎ ✕ ✕
❌	[MC-211] Unable to replicate because the base unit price exists.
Details	Ok

▷ **Korean**

에러	✕ ✎ ✕ ✕
❌	[MC-211] 기본 유닛 단가가 존재하므로 Copy할 수 없습니다.
자세히	Ok

▷ **简体中文**

错误	✕ ✎ ✕ ✕
❌	[MC-211] 因基本单价已存在，不能复制。
详情	确认

End of Document.

Thank you !!

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