TECHNICAL BULLETIN

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　　　MX Sheet in Excel version 2007 or later
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[Relevant Models] Communication support tool MELSOFT MX series MX Sheet

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Thank you for your continued support of Mitsubishi Integrated FA Software MELSOFT series.

When a workbook that has been configured for "Automatic Communication Startup" using MX Sheet is opened using Microsoft Excel 2007 or later, the following anomalous situations may occur.

1. Situations

- Excel stops responding.
- One of the following error messages may be displayed.
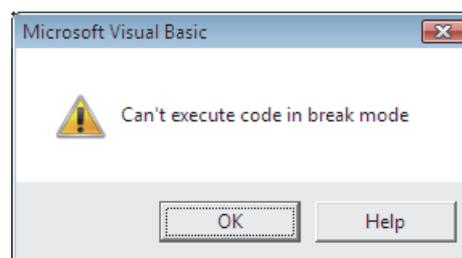
2. Cause of anomalous situations

These situations may occur if the following three conditions are met:

(1) MX Sheet Version 1.08J or later is used.
(2) An Excel book for which MX Sheet automatic communication startup has been set is opened.
(3) An Excel book is opened with Microsoft Excel 2007 or later.

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3. Corrective Action

Use the following flowchart to determine the course of action.

```
                    ┌──────────────┐
                    │    Start     │
                    └──────┬───────┘
                           │
              ◇ Is MX Sheet Version 1.10L or ◇ ······ Check the version by selecting [MX Sheet] → [Version Info.] on Excel.
                 earlier used?
                           │
            Yes ───────────┴─────────── No
             │                           │
  ┌──────────────────┐                   │
  │ Update MX Sheet. │ ······ Obtain data for the update from your local representative.
  └──────────────────┘
             │
  ◇ Is Windows XP SP2 or earlier or ◇ ······ Check the Service Pack for the operating environment.
     Windows Vista SP1 or
     earlier used?
             │
   Yes ──────┴────── No
    │                │
  ┌─────────────────────────┐
  │ Install the required     │ ······ Refer to "3.1 Installation of Service Pack".
  │ Service Pack.            │
  └─────────────────────────┘
             │
  ┌─────────────────────────┐
  │ Check the .NET Framework │ ······ Refer to "3.2 Checking and installation of .NET Framework and the
  │ and the related module   │        related module".
  │ not yet installed,       │
  │ and install it.          │
  └─────────────────────────┘
             │
  ┌─────────────────────────┐
  │ Execute "MXShRegRCom.exe".│ ······ Refer to "3.3 Execution of "MXShRegRCom.exe"".
  └─────────────────────────┘
             │
  ┌─────────────────────────┐
  │ Check that the action    │ ······ Refer to "3.4 Checking if the action works".
  │ works.                   │
  └─────────────────────────┘
             │
     ┌──────────────┐
     │     End      │
     └──────────────┘
```

Point
Update MX Sheet or install Service Pack, .NET Framework, and the related module using the administrator account.

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3.1 Installation of Service Pack

Install the Service Pack required for the used OS.

Used OS	Service Pack	URL (as of June 25, 2013)
Windows XP	Windows XP Service Pack 3	http://windows.microsoft.com/en-us/windows/help/learn-how-to-install-windows-xp-service-pack-3-sp3
Windows Vista	Windows Vista Service Pack 2	http://windows.microsoft.com/en-US/windows-vista/Learn-how-to-install-Windows-Vista-Service-Pack-2-SP2

3.2 Checking and installation of .NET Framework and the related module

The following tables list .NET Frameworks and the related modules required for each operating environment.
If they are not installed, install them in the order listed in (1), (2), or (3).
The installers of .NET Frameworks and the related modules are stored on the CD-ROM provided with MX Sheet Version
1.11M or later. If the CD-ROM is not obtained, visit the website shown in (1), (2), or (3).

(1) Excel 2007 is used on Windows XP

Order	.NET Framework and the related module	File name on the CD-ROM[*1]	URL[*2] (as of October 16, 2013)
1	Microsoft .NET Framework 3.5 SP1	dotnetfx35.exe	http://www.microsoft.com/downloads/en/details.aspx?displaylang=en&FamilyID=ab99342f-5d1a-413d-8319-81da479ab0d7
2	Microsoft .NET Framework 4.0 Extended	dotNetFx40_Full_x86_x64.exe	http://www.microsoft.com/downloads/en/details.aspx?displaylang=en&FamilyID=0a391abd-25c1-4fc0-919f-b21f31ab88b7
3	Microsoft Visual Studio 2010 Tools for Office Runtime	vstor_redist.exe	http://www.microsoft.com/en-us/download/details.aspx?id=40790

*1: The file is in the "DOTNET" folder.

*2: If the website cannot be accessed, refer to (5).

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(2) Excel 2010 is used on Windows XP, or Excel 2007 or later is used on Windows Vista or 32-bit Windows 7

Order	.NET Framework and the related module	File name on the CD-ROM[*1]	URL[*2] (as of October 16, 2013)
1	Microsoft .NET Framework 4.0 Extended	dotNetFx40_Full_x86_x64.exe	http://www.microsoft.com/downloads/en/details.aspx?displaylang=en&FamilyID=0a391abd-25c1-4fc0-919f-b21f31ab88b7
2	Microsoft Visual Studio 2010 Tools for Office Runtime	vstor_redist.exe	http://www.microsoft.com/en-us/download/details.aspx?id=40790

*1: The file is in the "DOTNET" folder.

*2: If the website cannot be accessed, refer to (5).

(3) Excel 2007 or later is used on 64-bit Windows 7

Order	.NET Framework and the related module	File name on the CD-ROM[*1]	URL[*2] (as of October 16, 2013)
1	Microsoft .NET Framework 4.0 Extended	dotNetFx40_Full_x86_x64.exe	http://www.microsoft.com/downloads/en/details.aspx?displaylang=en&FamilyID=0a391abd-25c1-4fc0-919f-b21f31ab88b7
2	Microsoft Visual Studio 2010 Tools for Office Runtime	vstor_redist.exe	http://www.microsoft.com/en-us/download/details.aspx?id=40790

*1: The file is in the "DOTNET" folder.

*2: If the website cannot be accessed, refer to (5).

(4) Excel 2007 or later is used on 64-bit Windows 8 or 32-bit Windows 8

Order	.NET Framework and the related module	File name on the CD-ROM[*1]	URL[*2] (as of October 16, 2013)
1	Microsoft Visual Studio 2010 Tools for Office Runtime	vstor_redist.exe	http://www.microsoft.com/en-us/download/details.aspx?id=40790

*1: The file is in the "DOTNET" folder.

*2: If the website cannot be accessed, refer to (5).

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(5) If a website shown in (1), (2), (3), or (4) cannot be accessed

URL (as of June 25, 2013)	Operation
http://msdn.microsoft.com/en-us/netframework/	The module related to Microsoft® .NET Framework can be obtained. Read the explanation on the displayed page.
http://www.microsoft.com/downloads/en/default.aspx	The module related to Microsoft® Visual Studio 2010 Tools for Office Runtime can be obtained. Search for "Visual Studio 2010 Tools for Office Runtime" on the displayed page.

Point

Check if the required .NET Framework and the related module are installed or not by the following operations.
- When using Windows XP
    Select [Start] → [Control Panel] → [Add or Remove Programs].
- When using Windows Vista or Windows 7
    Select [Start] → [Control Panel] → [Uninstall a program].
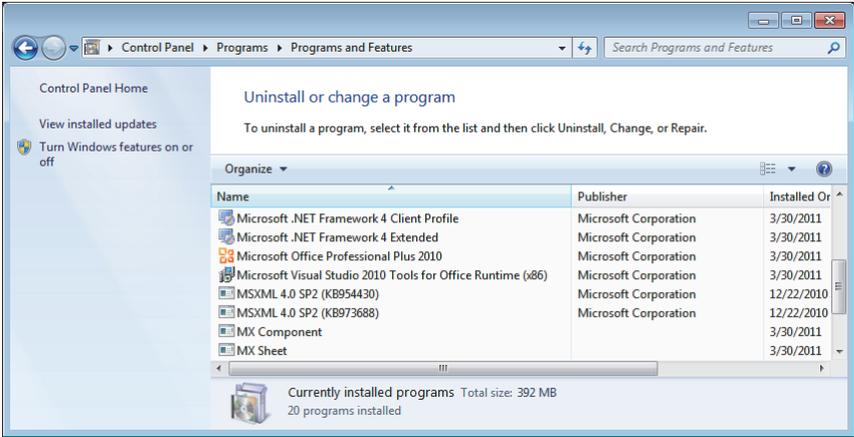
Check if the "Add or Remove Programs" screen or the "Uninstall or a change a program" screen displays the required .NET Framework and the related module.

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3.3 Execution of "MXShRegRCom.exe"

After installing .NET Framework and the related module, execute "MXShRegRCom.exe" in the folder where MX Sheet
has been installed ("C:\MELSEC\Sheet\" when the installation location folder was not changed at installation).

* When the user account control is enabled, the following
  screen appears.
  Click Continue or Yes .
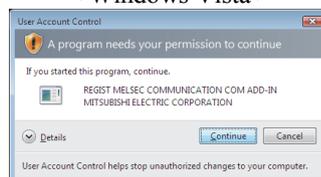
< Windows Vista >　　　　　< Windows 7 >
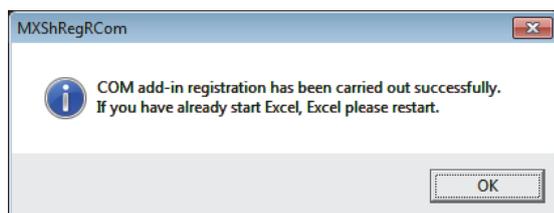
The message shown in the figure to the left appears to notify
the completion.
Click OK .

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3.4 Checking if the action works

The following explains how to check if the action works or not.
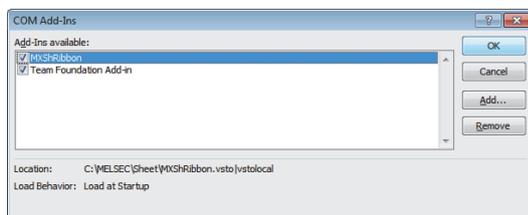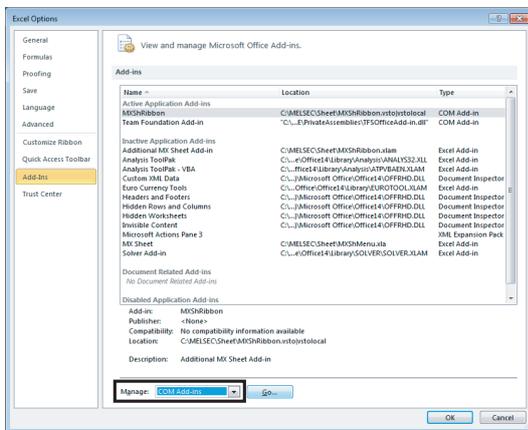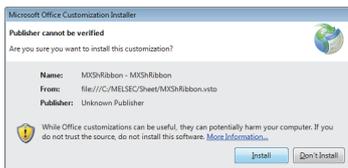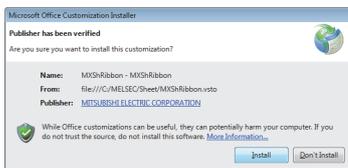
(1) Start Excel.

(2) When either of the screens to the left is displayed, click
    Install .

(3) < Office 2007 >
    Select [Office button] → [Excel Options].
    < Office 2010 or later >
    Select <<File>> tab → [Options].

    The "Excel Options" screen appears. Select [Add-Ins],
    change the item in "Manage" to [COM Add-ins],
    and click Go... .

(4) In the "COM Add-Ins" dialog box, check that
    "MXShRibbon" is displayed, and its check box is
    selected.

Checked

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REVISIONS

Version	Print Date	Revision
-	June 2011	First edition
A	August 2013	(1) Section 3.2 (4) has been added as the related modules and .NET Framework supported by Windows® 8. (2) The information of .NET Framework and the related modules written in section 3.2 have been updated as of 25 July 2013.
B	January 2014	Since Excel 2013 is supported, Section 3.(4) has been modified.