

SF_Text - display of text lines at playback of video file

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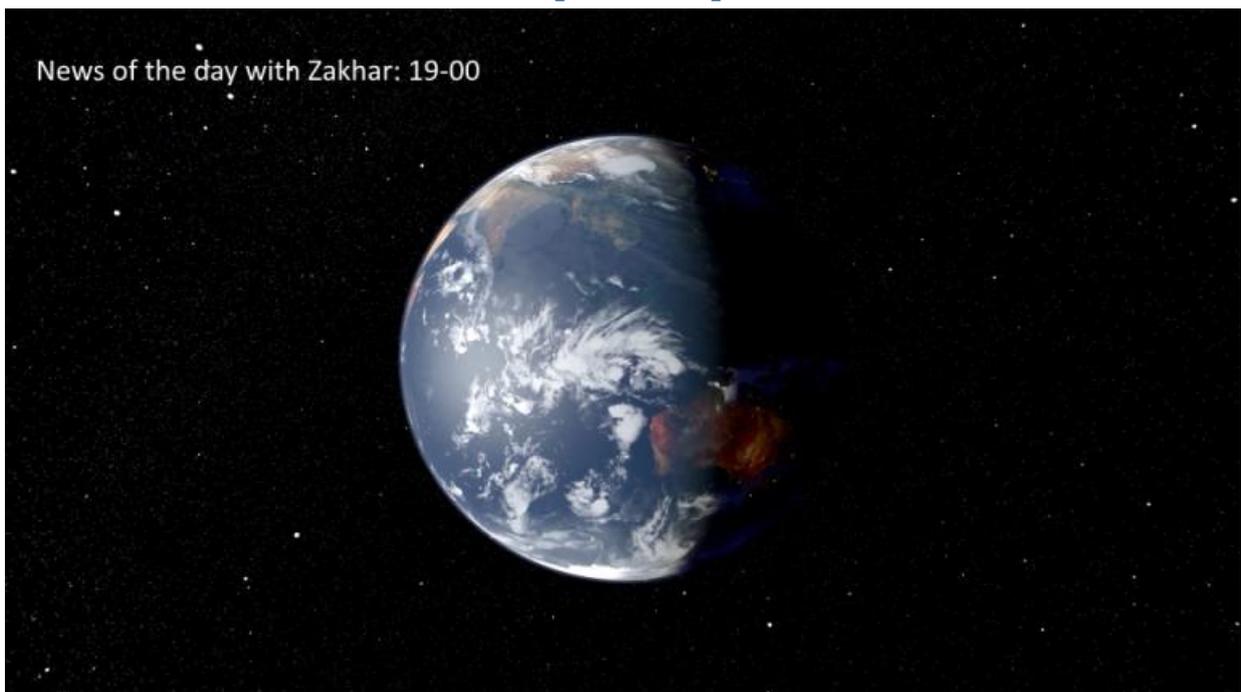
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Scope of script

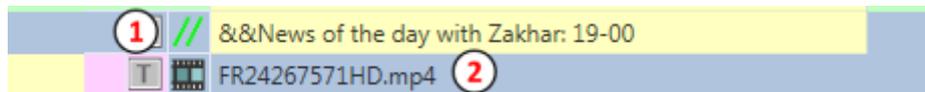


TSF_Text is a title object with script (script) used to display text lines at playback of video files.

Text lines can display some arbitrary information:

- name of currently broadcast TV program
- name of upcoming TV program
- information about program sponsor, etc.

Different text lines for different video files can be used.



Text line (1) must be added to OnAir3 application schedule as a comment before displayed video file (2).

Script reads line with text from comment before start of video file playback. Text line is displayed once during some period of time with a start delay of video file playback. Delay and duration of playback are specified in script parameters.

Select style from specified collection of styles to design text.



Text can be displayed on a background (picture or animation).

Script is included in free TSF library.

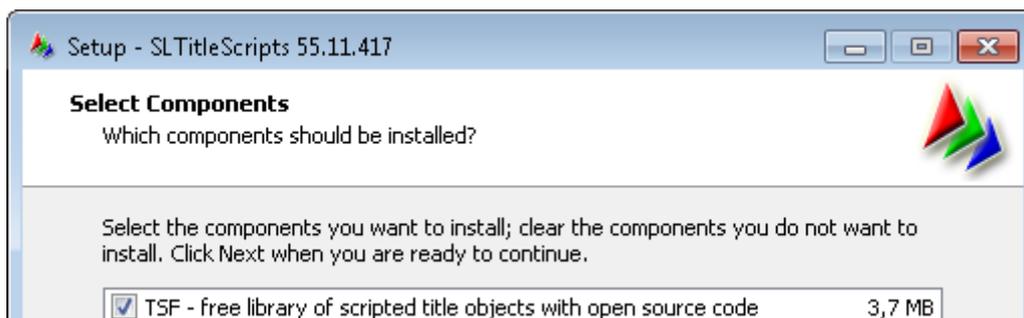
You can find additional information about scripts in corresponding [section](#).

Work order

You can organize testing of script work via special free version of Forward Lite software in the "**without I/O boards and licenses**" mode. Use the OnAir3 application for testing.

1. Install the latest version of "**Forward Lite**" software. Download the latest version of installer and get instructions [here](#).
2. Start and configure the SLTitlePreview application. Instructions about configuration are [here](#) (the "**Viewing Data on the Computer Monitor...**" section).
3. Start and configure the OnAir3 application in the "**without I/O boards and licenses**" mode. Instructions about configuration are [here](#) (the "**Viewing Data on the Computer Monitor...**" section).

- Download, unzip and run the SLTitleScripts_Setup_X_Y_Z installer. Follow the instructions. The latest version of installer is [here](#).



Select **"TSF - free library of scripted..."** component at installation.

- Create title project in the FDTitleDesigner application. Add the TSF_Text script from template to the project.

Section: [How to add script](#)

- Configure properties of title object and location of its elements.

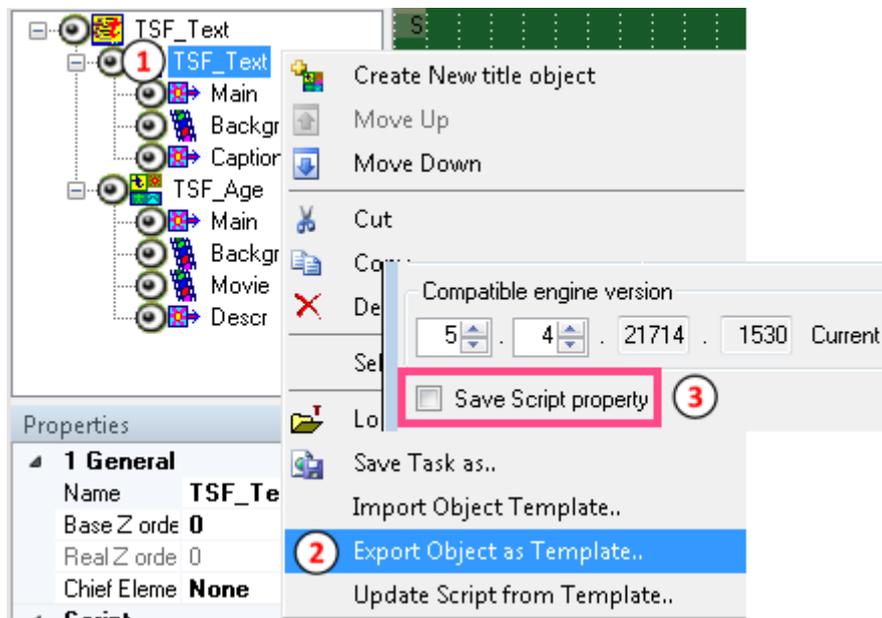
Section: [How to configure script](#)

- Upload title project to the OnAir3 application. Create schedule.

Section: [How to create schedule](#)

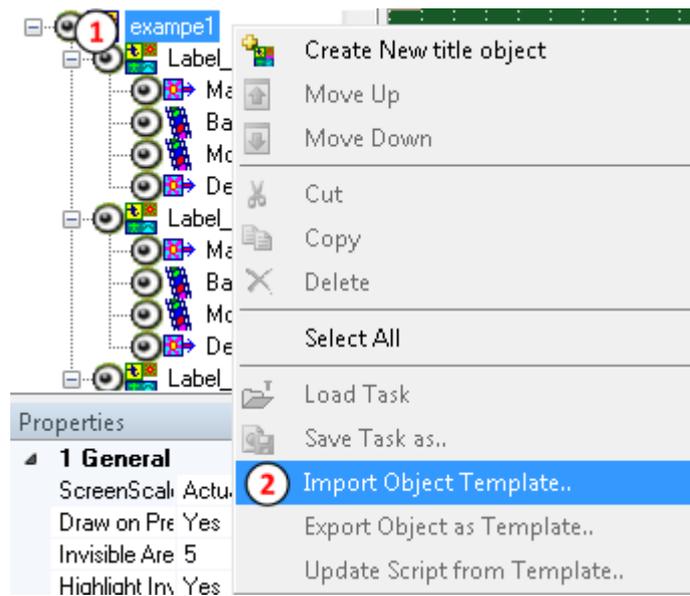


- Start OnAir3 application schedule for execution. Check its work in the SLTitlePreview application.



9. Save TSF_Text configured title object to template by right-clicking it in object tree (1). Then select "Export Object as Template..." (2).

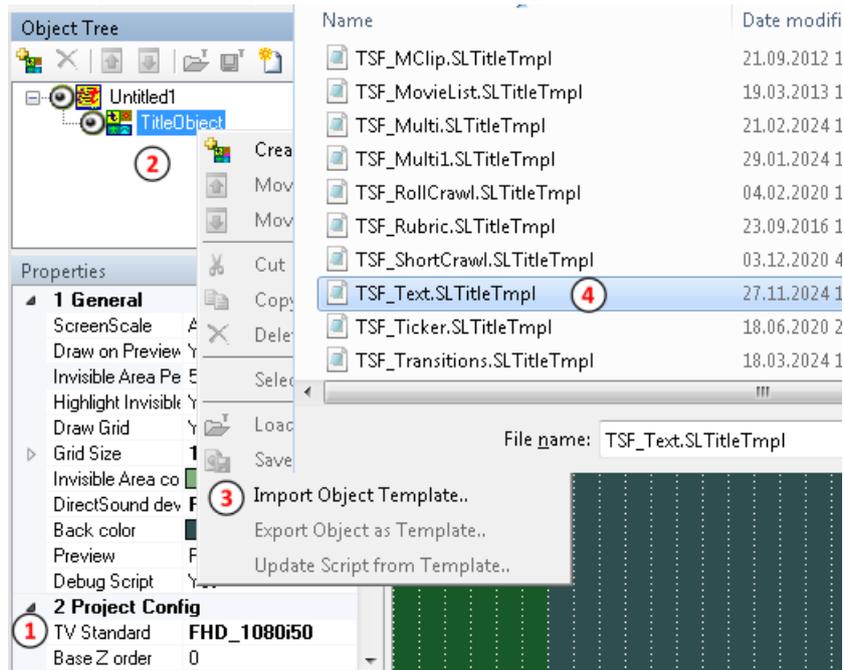
Important! Enable the "Save Script property" option at exporting in the "Export Template Wizard" dialog.



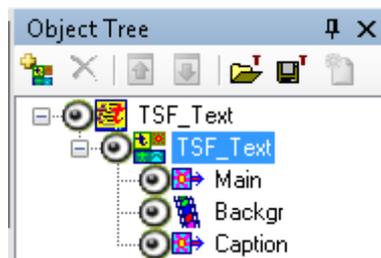
10. Add TSF_Text title object from template to work project by right-clicking object tree (1). Then select "Import Object Template..." (2).

Operations

How to add script



Open the FDTITLEDesigner application via desktop shortcut. Set the FHD_1080i50 value for the "TV Standard" property (1) in project. Right-click any free space in the "Object tree" area (2). Select "Import Object Template..." (3) from menu. Specify the TSF_Text.SLTitleTmpl (4) in appeared file dialog.



The following title elements are included into the TSF_Text script object:

- "Main" is a service element ("Caption" type).
- "Backgr" element is used to display background ("AnimLogo" type).
- "Caption" element is used to display text lines ("Caption" type).

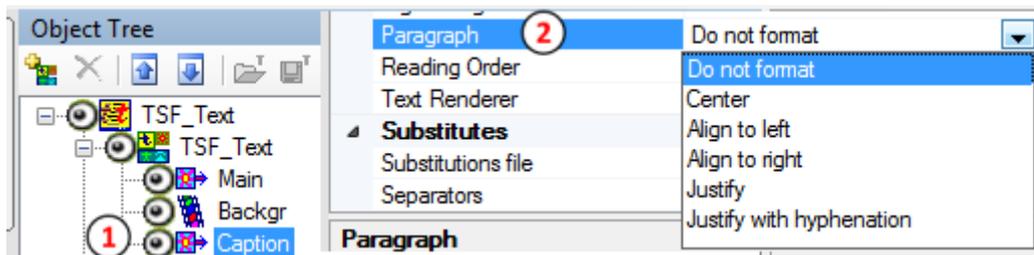
How to configure script

Script has no task file. Text lines are got from comments added to schedule before video files.

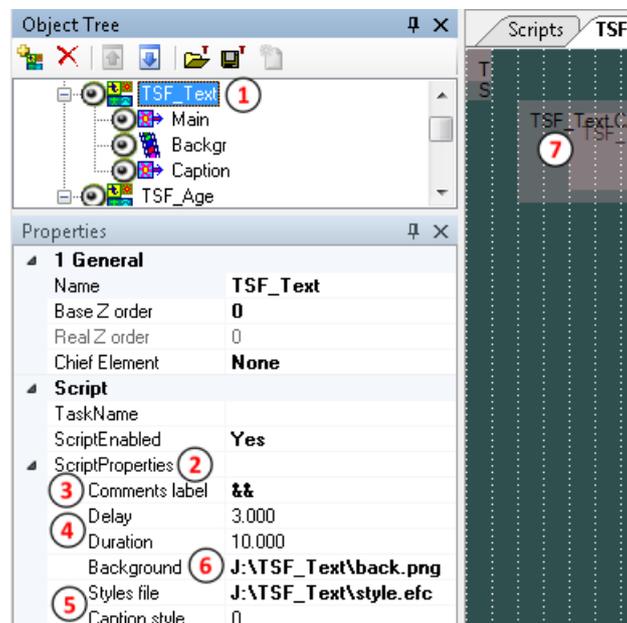
ScriptProperties	
Comments label	&&
Delay	3.000
Duration	10.000
Background	J:\TSF_Text\back.png
Styles file	J:\TSF_Text\style.etc
Caption style	0

Properties of script:

- **"Comments label"** are special characters from which comment in OnAir3 schedule must start if you want to display text line (# is by default).
- **"Delay"** is an interval (in seconds) between start of playback of video file and start of text line display.
- **"Duration"** is a duration of text line display (in seconds).
- **"Background"** is a selection of picture (tga, png, jpeg) or animation (avi, mov, mp4) with a background image for text line. Specify size and location of background in **"Backgr"** title element. Size and location of background are not adjusted to size and location of text line automatically.
- **"Styles File"** is a selection of collection styles [file](#) (*.efc) used to display text line.
- **"Style Index"** is an index of style in collection used to display text line.



Configure text formatting in **"Caption"** title element (1) in the **"Paragraph"** property (2) additionally.



Execute the following to configure script:

1. Select TSF_Text title object in object tree (1).
2. Expand the **"Script Properties"** group of elements (2).
3. Specify characters of comments label (3) from which comment starts in schedule.
4. Specify duration and start delay of text line display (4).
5. Select styles collection file and index of style for text display (5).
6. Specify background file (6) — picture or animation.

7. Specify size and location of elements (7) used to display text line ("**Caption**") and background ("**Backgr**").
8. Save title project.

How to create schedule



Add comment (3) before video file in schedule (2) to display text line (1).

Format of comment is: comment_label arbitrary_text_line

Example: && Evening news 19-00

where:

&& is a comments label

Evening news 19-00 is a text line for display

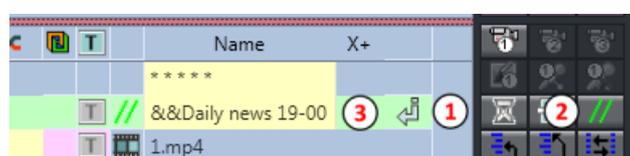
Characters of comments label are specified in script parameters.

Important! Text line is not displayed if comments label is absent or if it does not fit label specified in script parameters.

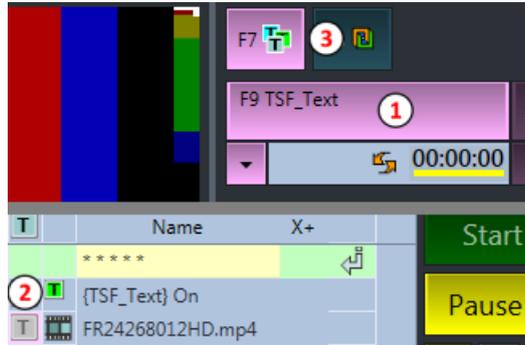
Complete the following to create schedule with a display of text lines:



1. Set edit position (1). Select video file (3) on "**Films**" file page (2). Add it to schedule by double-click.



- Set edit position for comment adding (1). Click "**Comment**" button(2). Add text line (3). Comment for the TSF_Text script must start with special characters specified in the "**Comments label**" parameter.
- Repeat steps 1-2 for all video files during which playback text lines are displayed.

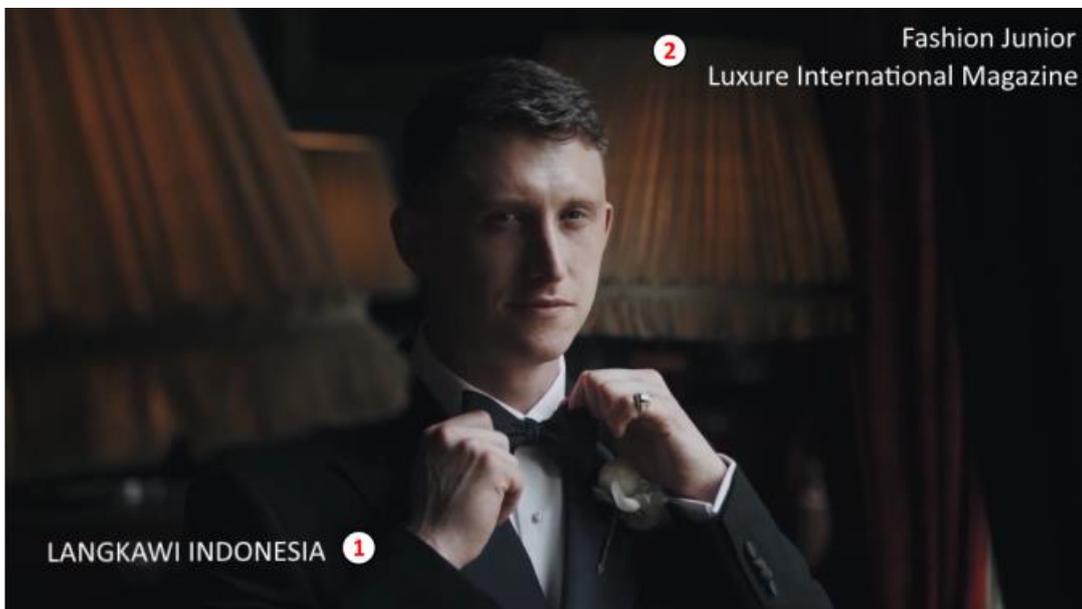


- For the script to work it must be enabled with the general permission to show titles (3). You can manually press the button to which it is assigned (1). Or add a "**Title object On**" command to the beginning of the schedule (2).



Picture shows:

- There is a comment before video file (1) in schedule. It starts with characters specified in the "**Comments label**" script parameter. The "**New route**" line is displayed at playback of video file.
- There is a comment before video file (2) in schedule. Characters specified in the "**Comments label**" script parameter are absent at start. The "**Fashion talk +**" text line is not displayed.
- There is a comment before video file (3) in schedule. Characters specified in the "**Comments label**" script parameter are absent at beginning. The "**Orange miracle**" text line is not displayed.
- Comment before video file (4) in schedule is absent. No text line is displayed.



Comments may have formatting tags.

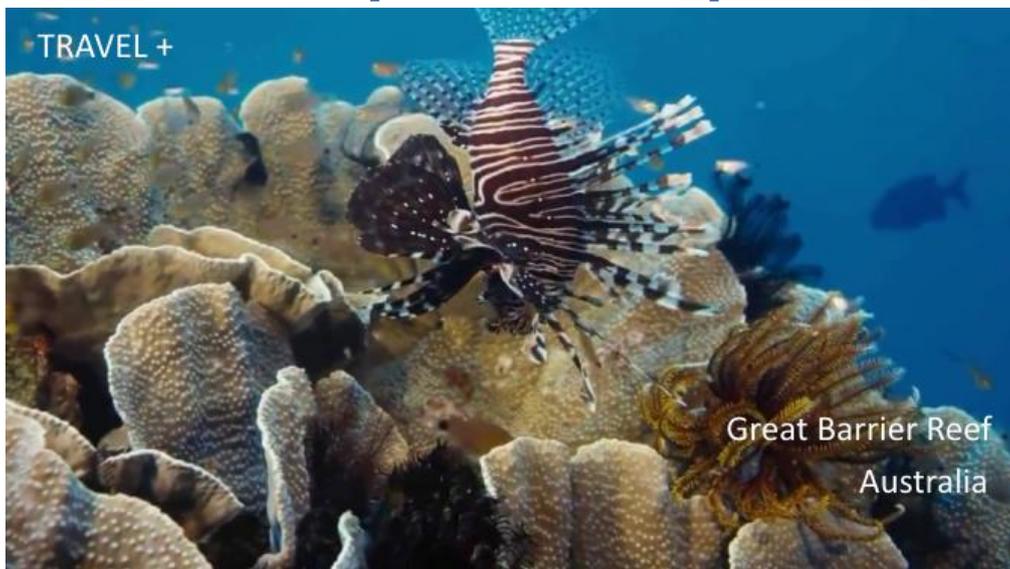
Example:

&&<uc>Langkawi Indonesia - all capital letters (1).

&&<ar>Fashion Junior<nl>Luxure International Magazine - alignment of text to the right with break of line partially (2).

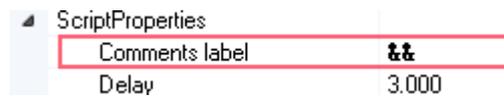
More information about formatting tags you can find [here](#) (the "**Formatting tags**" section).

Multiple instances of script



Multiple instances of TSF_Text script can be used to display different text lines with different settings (screen location, font and size of characters, duration of display, delay of video file start) in project simultaneously.

The second instance and the following instances of script are added to project in the same way as the first instance is added. Configure parameters and location of elements of new script instance after this.



Important! Change characters in "Comments label" property for the second and the following script instances. Characters must differ from characters already used in other instances.

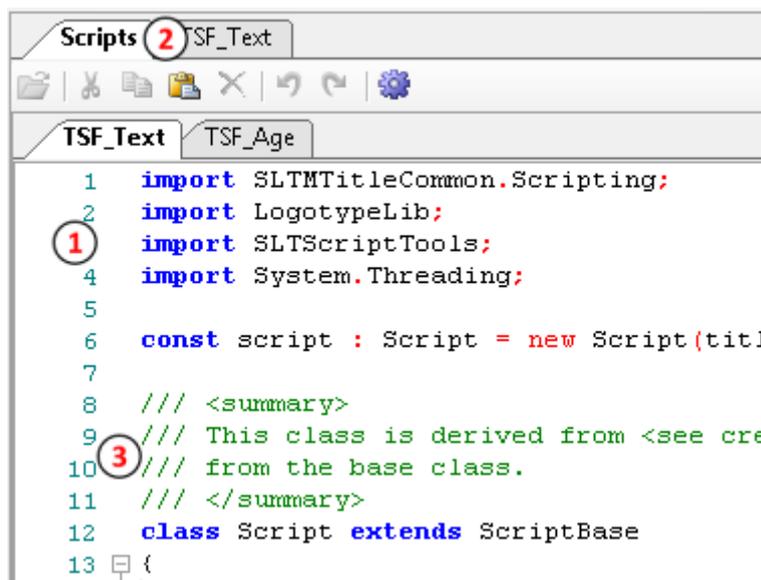


For two TSF_Text scripts with different comment labels different versions of their use are provided. Order of comments distribution in schedule makes no difference if several instances of script for one video file are used.

Script source code

All scripts have program code that determines their course.

The TSF_Text script has an open source code that can be used as example.



You can find source code of script (1) in the FDTITLEDesigner application on the "Scripts" tab (2). The code is provided with comments (3) for easy study.

Code of script proves:

- Use of standard procedures and functions;
- Work with comments for text lines;
- Processing specific messages to get a text of comment;
- Work with a collection of styles;
- Use of script properties of different types (to specify, to set, to get);
- Controlling "MovieList" and "Caption" title elements.

The **TitleScriptDocumentation_ENG.odt** help file is a part of the ForwardT Software set. The file is stored in the ~\ForwardT Software\FDTitle folder. The file provides with general information, instructions on scripts development, description of classes and methods, etc.

Appeal to the Technical Support department if you have any questions about scripts developing.

Additional information

- The latest version of scripts installer is [here](#).
- General description of work with scripts is [here](#).
- Information about free library of TSF scripts is [here](#).
- You can organize testing on a separate workstation with installed "**Forward Lite**" version. Configuration is described [here](#) (the "**Viewing Data on the Computer Monitor...**" section). For testing you need to use the OnAir3 application.
- Text comments may contain [tags](#) of formatting (the "**Tags of Formatting**" section).