



Stylesheet-related issues

XML editing – AC BRAMLEY

20 November 2014

Purpose and scope

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- Present stylesheet-related issues when editing in XML
 - Cover page
 - Headers and footers
 - Figures and logos
 - Tables
 - Code

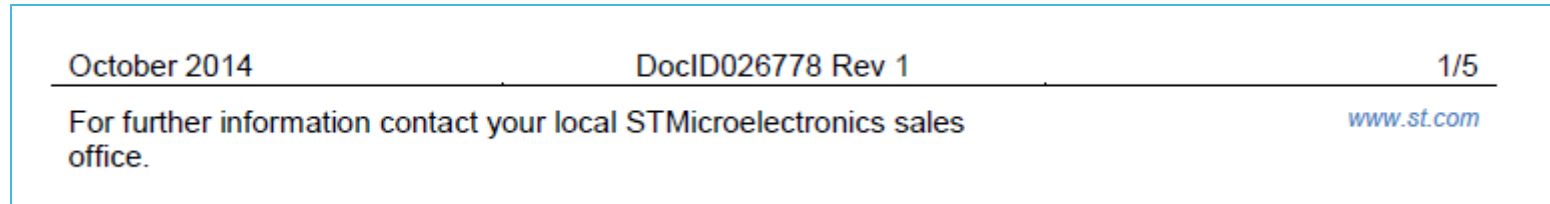


Cover page

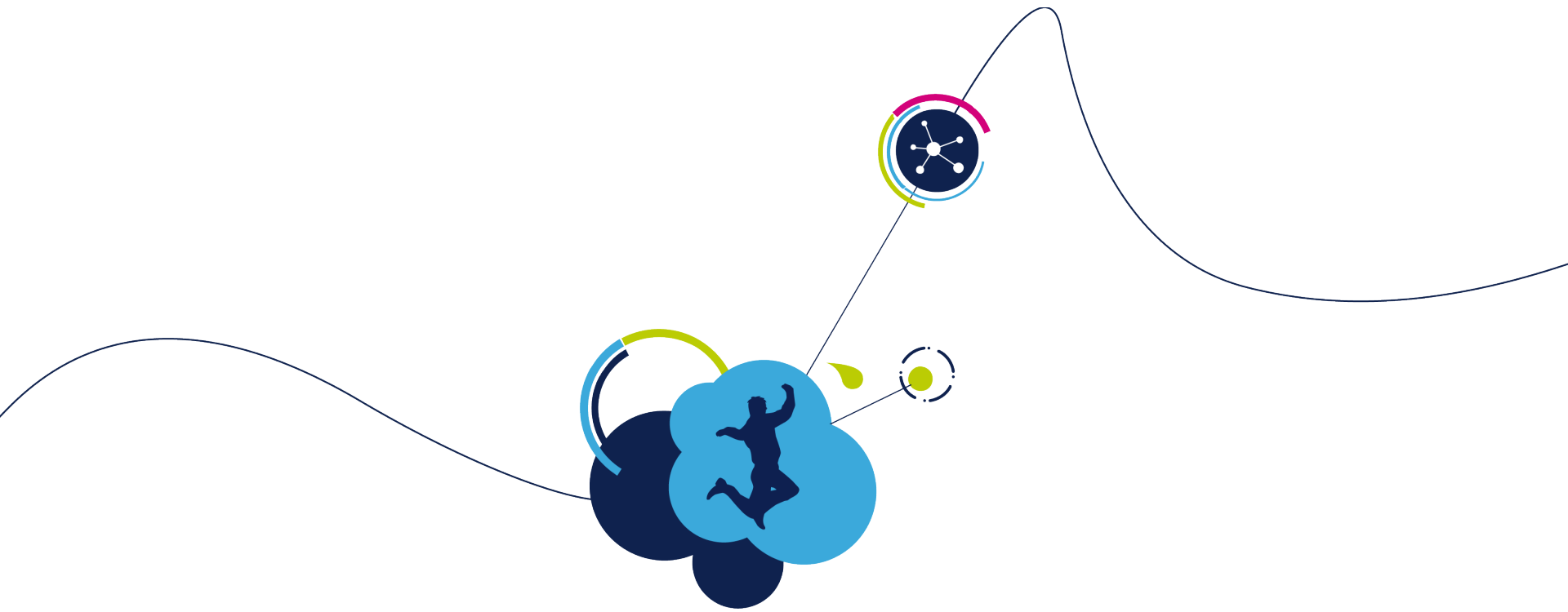
Stylesheet issues on cover page (1/3)

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- Wrong font size of disclaimer for datasheet and data brief on cover page
 - Should be smaller



- Smaller text frame due to wide headers and footers
 - Need to remove some features when converting Data sheets/Data brief from FrameMaker



Headers and footers

Document headers and footers

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- Mix of plain and bold in chapter title displayed in document header

Power supplies and reset sources of the
STM32F030 family

AN4325

Too much space between footer and bottom of page → wasted space

October 2014

DocID026778 Rev 1

1/5

For further information contact your local STMicroelectronics sales
office.

www.st.com

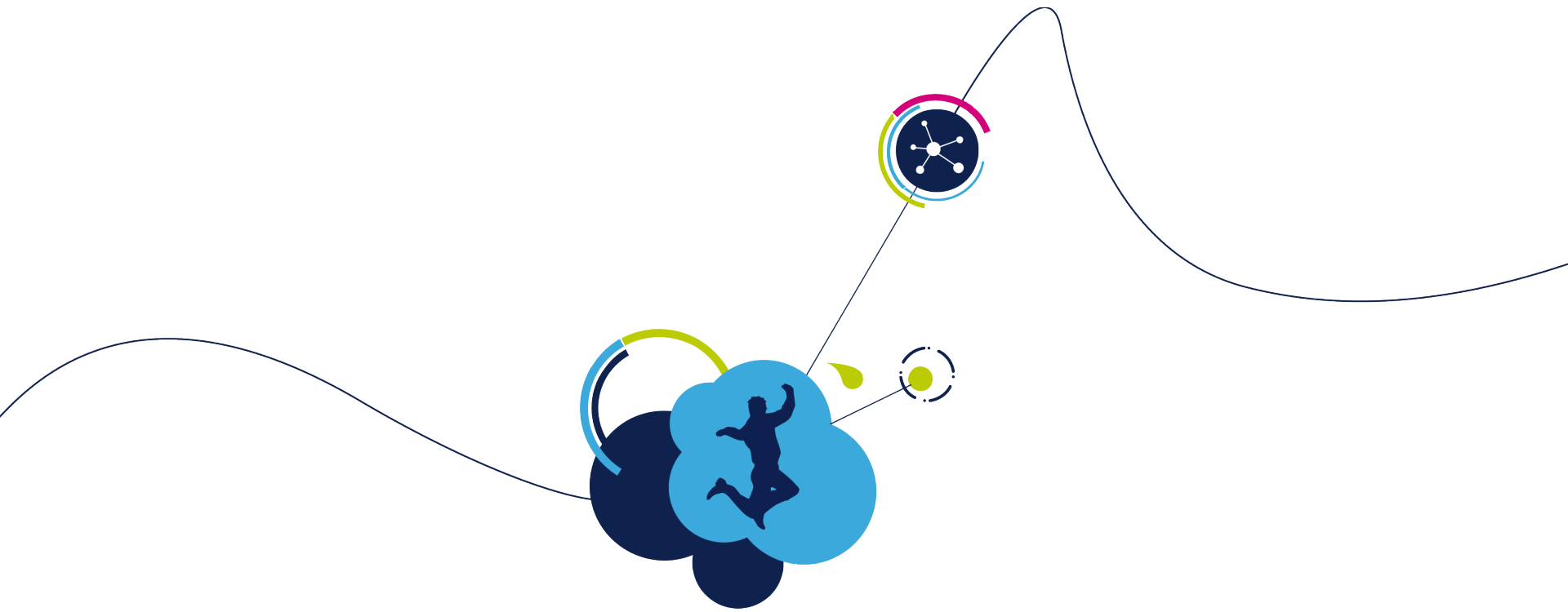
Document headers and footers

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- Too much space in document header → better balance space between text and line

Description

STM32303E-EVAL



Figures and logos

Style sheet issues with figures

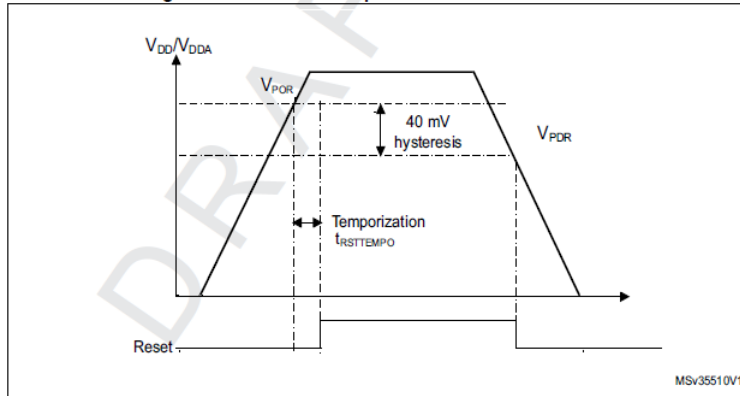
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- Poor rendering of EMF in MSWord and PDF output despite rework in MS Visio or Adobe Illustrator

FM version

For more details on the power on / power down reset threshold, refer to the electrical characteristics section in the datasheet.

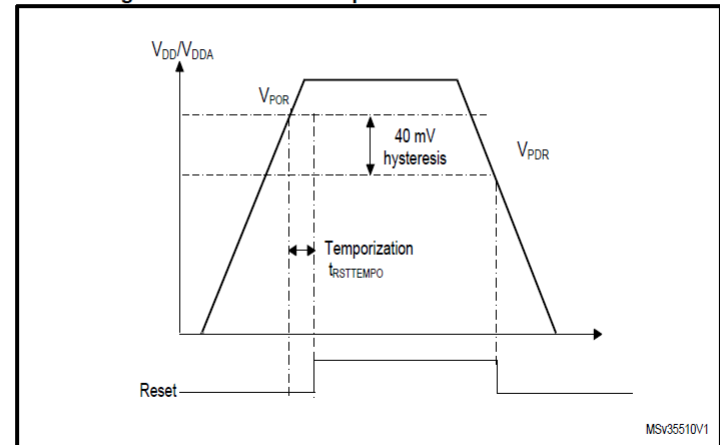
Figure 4. Power on reset/power down reset waveform



XML version

For more details on the power on / power down reset threshold, refer to the electrical characteristics section in the datasheet.

Figure 4: Power on reset/power down reset waveform



Style sheet issues with figures

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- Conversion of figures with no caption (logos and/or screenshots)
 - Require update of attributes
 - Scaling
 - Remove Frame="all"





Tables

Style sheet issues with tables

- Rotated text in headers not supported in style sheet V22a
- Tables in landscape pages not supported in style sheet V22a

1.1 Invisible table

ffff	ffff	fff	ffff
jijiji	ijijij	ijiji	ijijij
ijijj	ijiji	ijj	ijij
ijiji	ijiji	ijji	ijijiji

- Page breaks inside merged cells
- Bullet points in table cells badly rendered
 - 10-point font size instead of 9-point

Style sheet issues with tables

- Page breaks wrongly managed in style sheet V22b
 - Table heading on one page, table body rows on next page
 - Page breaks inside merged cells
- Bullet points in table cells badly rendered
 - 10-point font size instead of 9-point

Heading	Heading	Heading	Heading
fdfd	fdfd	fdfd	fdfd 9 points
	<ul style="list-style-type: none">• uhuh• ijij• ijijij	<ul style="list-style-type: none">• uhuh• ijij• ijijij	<ul style="list-style-type: none">• uhuh 10 points• ijij• ijijij

- Table headings → different layout vs. FM template
 - Grey shading in XML package vs. no shading in FM files

Table 5: SWD port pins

SWD pin name	SWD port		Pin assignment
	Type	Debug assignment	
SWDIO	I/O	Serial wire data input/output	PA13
SWCLK	I	Serial wire clock	PA14

Table 4. SWD port pins

SWD pin name	SWD port		Pin assignment
	Type	Debug assignment	
SWDIO	I/O	Serial wire data input/output	PA13
SWCLK	I	Serial wire clock	PA14




- Multiple heading rows and merged cells badly converted
 - Manual update required in XML files

Table 5: SWD port pins

SWD pin name	SWD port		Pin assignment
Type	Debug assignment		
SWDIO	I/O	Serial wire data input/output	PA13
SWCLK	I	Serial wire clock	PA14

- Tables with shaded cells in FrameMaker
 - Shading removed in XML topic

FM version

	STM32F10xx CEC driver API	STM32F0xx CEC driver API
Interrupt and Flag management	void CEC_ITConfig(FunctionalState NewState)	void CEC_ITConfig(uint16_t CEC_IT, FunctionalState NewState);
	FlagStatus CEC_GetFlagStatus(uint32_t CEC_FLAG);	FlagStatus CEC_GetFlagStatus(uint16_t CEC_FLAG);
	void CEC_ClearFlag(uint32_t CEC_FLAG)	void CEC_ClearFlag(uint32_t CEC_FLAG);
	ITStatus CEC_GetITStatus(uint8_t CEC_IT)	ITStatus CEC_GetITStatus(uint16_t CEC_IT);
	void CEC_ClearITPendingBit(uint16_t CEC_IT)	void CEC_ClearITPendingBit(uint16_t CEC_IT);
Color key:  = New function  = Same function, but API was changed  = Function not available (NA)		

XML version

Interrupt and Flag management	void CEC_ITConfig(FunctionalState NewState)	void CEC_ITConfig(uint16_t CEC_IT, FunctionalState NewState);
	FlagStatus CEC_GetFlagStatus(uint32_t CEC_FLAG);	FlagStatus CEC_GetFlagStatus(uint16_t CEC_FLAG);
	void CEC_ClearFlag(uint32_t CEC_FLAG)	void CEC_ClearFlag(uint32_t CEC_FLAG);
	ITStatus CEC_GetITStatus(uint8_t CEC_IT)	ITStatus CEC_GetITStatus(uint16_t CEC_IT);
	STM32F10xx CEC driver API	STM32F0xx CEC driver API
	void CEC_ClearITPendingBit(uint16_t CEC_IT)	void CEC_ClearITPendingBit(uint16_t CEC_IT);

Missing legend + merged cells wrongly rendered



Code rendering

Style sheet issues with code

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- Code blocks wrongly rendered when inserted in bulleted lists (UL/LI)

Generic APIs: common generic APIs applying to all STM32 devices. These APIs are consequently present in the generic HAL drivers files of all STM32 microcontrollers.

```
HAL_StatusTypeDef HAL_ADC_Init(ADC_HandleTypeDef* hadc);
HAL_StatusTypeDef HAL_ADC_DeInit(ADC_HandleTypeDef *hadc);
HAL_StatusTypeDef HAL_ADC_Start(ADC_HandleTypeDef* hadc);
HAL_StatusTypeDef HAL_ADC_Stop(ADC_HandleTypeDef* hadc);
HAL_StatusTypeDef HAL_ADC_Start_IT(ADC_HandleTypeDef* hadc);
HAL_StatusTypeDef HAL_ADC_Stop_IT(ADC_HandleTypeDef* hadc);
void HAL_ADC_IRQHandler(ADC_HandleTypeDef* hadc);
```

Not OK

- example 1, example 1, example 2
- example 1, example 1, example 2
- example 1, example 1, example 2
- example 1, example 1, example 2
- example 1, example 1, example 2
- example 1, example 1, example 2
- example 1, example 1, example 2
- example 1, example 1, example 2
- example 1, example 1, example 2
- example 1, example 1, example 2

OK in AN4088 test



Thank you!