# Documentation for neoHort:) -...

neo

Hyper

**O**bject

Report

 $\mathbf{T}_{ranslator}$ 

- 1. Overview of the product.
- 2. Installation and use (after version 1.2.14 you can use JSP as template generator in direct mode).
- 3. Types of connectors needed for relations between web container (java based) and XML Based script.
- 4. Overview list of tags.

Compatibility with **iText 5.0.\* ONLY** – for previous version of iText need use the versions of **neoHort 1.\*.\*** 



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## 1. Overview of the product.

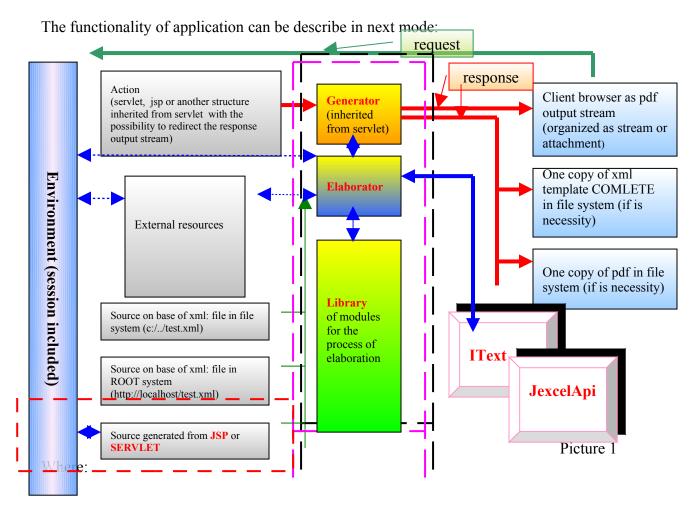
Presented product is WEB integrated application, based on **iText** library (one product created by Bruno Lowagie and Paulo Soares) + **JexcelApi** (by andyk@andykhan.freeserve.co.uk ) and permit:

- a) to design complex layout of PDF & XLS report/document;
- b) to organize (in native and simple mode) various relations between your project (obligate: based on Java Web Application environment) and XML based template contained layout of the report through session container.

The concept of organization is like of the process of MVC (model-view-container) technology (ex. Struts and another simile architecture), where

- View is presented as PDF canvas
- Model java object, contained business logic, prepared before start of process (is related with Request Session and is presented into XML source of report as <session>/ <application> beans)
- Container <neoHort> Generator/Elaborator, responsible for process of elaboration.

As result – presented application can be interpreted as services between YOUR business logic prepared into YOUR project and <neoHort> reports realized and View.







• FUNCTIONALITY Relations between modules of generation – elaboration content server - external container



Request of resources (from file/external containers)

• Communications between client-server (the way of elaboration) In general – project contains three principal parts:

- Generator this part is responsible for communications between client and application content (realized as [Servlet])
- Elaborator is responsible for analyze the xml-source of report and, after this, communication with tag-interpretation library for execution the scenario of generation the final product.
- Tag-interpretation library: interprets the content of tags from xml-source, realize direct communication with iText pdf library (base level) for generate and integrate pdf's element into the report.
- Tag-interpretation library: interprets the content of tags from xml-source, realize direct communication with JaxelAPI xls library (base level) for generate and integrate xls's element into the report.

I can't pretend to name this application – NEW project, as for me – is only **new mode** for optimize time of development for ANOTHER application which need one external report service (must use PDF or XLS documents as report's content).



## **Process of generation.**

The process of generation begins from the Generator.

### 1) Normal way (all version):

In technical - **Generator** – is the simple instance of the [Servlet java object], created for simplification the access to <neoHort> project. For example: for start the process of creation is enough to **insert** the next part of code into HTML source of your application:

```
<script>
window.open("http://localhost:port/neoHort/report creator?$source=.../.../test.xml");
when neohort.universal.output.creator iHort was mapped as report creator in
web.xml
or
window.open("http://localhost:port/neoHort/neohort.universal.output.creator iHort?\source=
.../.../test.xml");
</script>
Parameters of input can be:
$source - path for xml-source template (request GET);
$log - name of log stub if you want to use different of application's
(request GET);
$source stream - if you don't want to use the template but the direct
xml text - $source stream is content of xml (request POST or request
attribute);
2) Another way (version 1.2.14 and later):
You can create new report from SIMPLE *.JSP file (this file must
generate xml-template as result of its elaboration).
Example of use: http://localhost/neoHort/log view.jsp?
ReportProvider=neoHort
The parameter ReportPrivider is obligated.
In begin is necessity to map into your WEB.XML the next filter
[filter jsp] (included into neoHort package)
      <filter-name>filter jsp</filter-name>
      <display-name>filter jsp</display-name>
      <description></description>
      <filter-class>neohort.service.filter.filter jsp</filter-class>
      </filter>
      <filter-mapping>
      <filter-name>filter_jsp</filter-name>
      <url-pattern>*.jsp/url-pattern>
      </filter-mapping> )
As advantage - you have the possibility to utilize the Java structures
```

You can use as generator of xml-template NOT ONLY jsp file - but first

must add to section of filter mapping another url pattern



into jsp in natural mode.

<url-pattern> your servlet</url-pattern>

# 3) Use as integrated service (version 1.2.14 and later):

neoHort generator can be included into the another Java-procedure as
external service in next mode:

OUTPUTSTREAM = new iHort().transformXMLtoReport(XML,OUTPUTSTREAM);

Where

XML - String with xml source or InputStream with xml source.
OUTPUTSTREAM - OutputStream witch contain the result of generation (for example: response.getOutputSource())

For Step 2) and 3) is preferable NOT USE tag <INCLUDE> but prepare the xml-source in Java native mode (for Jsp- to use the native <JSP:INCLUDE> for example...)



The second part of the process chain is **Elaborator**. This part of application will been loaded after request of **Generator** and is responsible for planning and elaboration of the final parts of reports. During the process of analyze XML based source (in interpretative mode) will been loaded all necessary parts of **library** for generating and including into content any pdf 's or xls's object, describing as <tag> in layout.

The last part - functionality of **library** – is base level of communication with iText library.



#### 2. Installation and use.

The package of installation – **neoHort.ear**.

If the process of installation will finish correctly – as result will been created the folder [neoHort] contained [JavaSource] and [WebContent]. For start application (in test environment mode) you must create [Server object] related with neoHort.ear and launch it.

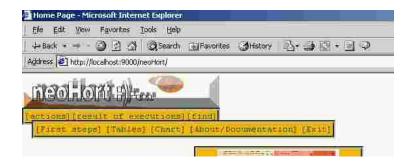
#### **System Properties:**

Into the server part of [SystemProperties] you can configure Log of application (as property):

- application.log.path (set path of log (ex: c:/Log/ directory Log must been created before) but isn't obligate.
- application.log.stub = neohort.stubs.stub\_websession\_log is DEFAULT, for attach another log-elaborator you must CREATE another application.log.stub .CLASS, add the mechanism of elaboration witch you prefer and set into System Properties on the place of application.log.stub.
- application.log.stub.level = DEBUG is DEFAULT value. You can use also: INFO, WARN, ERROR, FATAL for minimize the size of log output.

In the IE (or another browser) the address of start page will be <a href="http://localhost:port/neoHort/pages/">http://localhost:port/neoHort/pages/</a> or <a href="http://localhost:port/neoHort/">http://localhost:port/neoHort/</a> (port – 9080 as default or another configured).

If you don't want to install this application as [IMPORT EAR] you **must map** in web.xml **neohort.universal.output.creator\_iHort** servlet as **report\_creator** and utilize as library **neoHort.jar** (in example's web application all requests for <neoHort> was realized through **report creator**).



All Libraries used for functionality of application:



```
Apache Tomcat v5.5 [Apache Tomcat v5.5]

Apache Tomcat v5.5]

Apache Tomcat v5.5 [Apache Tomcat v5.5]

Apache Tomcat v5
```

After the process of installation you will have the possibility to navigate into the application between:

[First steps] – simple guide demonstrate step by step the all process of building report (with XML's sources as examples).

[Tables] – examples of tables.

[Chart] –examples of charts.

[About/Documentation] – part of documentation.

For version 1.2.14 if you want use jsp files as template generator must be updated web.xml in next mode:

```
<filter>
<filter-name>filter_jsp</filter-name>
<display-name>filter_jsp</display-name>
<description></description>
<filter-class>neohort.service.filter.filter_jsp</filter-class>
</filter>
<filter-mapping>
<filter-name>filter_jsp</filter-name>
<url-pattern>*.jsp</url-pattern>
</filter-mapping> )
```



# 3. Type of connectors used for relations between web container (based on java) and [neoHort] project.

The important part of functionality of this application is **mechanism of keeping the relations** between the xml-scripts and the Java environment (in our case – web content). Before begin I want to say the pair of word about the methods of transformation xml's source to pdf's (xls's) layout. As first: any <tag> (described in iReport.dtd) is realized as one java class with the same name (lover case). This class contains all necessary mechanisms for realize transformation from plain text to pdf format (thanks iText library) & xls (thanks JExcelApi).

All tags in structural mode can be divided on three parts: **initial**, **logical** and **graphical** elements. Any report in general must have next structure:

```
<GENERAL>
<INIT>
...
</INIT>
<DOCUMENT>
...
</DOCUMENT>
</GENERAL>
```

Where in parts of <INIT>...</INIT> is possible to declare the specific objects <BEAN> witch presents any object inserted in session environment before start the process of report generation . As result you can map any kind of <bean> (request, session, application), created in you web application for realize your business logic, for pass to process of generation report. Another type of mapping object is generation variables into script language as <OBJECT\_JAVA>. As result, when Elaborator founds this <tag> - will be created new Object java with the type and content declared into attributes of <tag>. The life of variables will finish with the finish of script, or with the creation another <OBJECT\_JAVA> with the same ID (will be rewritten). The result of execution for any bean or another object java can be integrated into text of tags in next mode:

```
<TABLE_CELL> %EXECUTEBEAN._hm(java.lang.String:'anykeyoftypestring').toString()%- finish </TABLE_CELL>
```

This is example of use the object HashMap with ID \_hm %EXECUTEBEAN and % - the symbols of start and finish of the directive. \_hm - the name of variable.

**Structure**: - result will been integrated into the template as object of java's type (if is possible).

```
%EXECUTETAG.CONDITION_QUERY:Q0.RETURN.DATA_SYS%
```

- 1. % symbols for start and finish any directive;
- 2. **EXECUTETAG** specified word for execute the element defined as another tag;
- 2. **CONDITION\_QUERY** type of the tag;



3. Q0 - identification (name) of element defined before as another tag;
 4. RETURN - the specified word reserved as un directive to return back the value;
 5. DATA\_SYS - in our case – value of the column of query;

**Structure**: - the result will been integrated into the template as object of type String (if is possible)

```
%EXECUTETAG.CONDITION FOR:F0.RETURN.SIZE%
```

- 1. % symbols for start and finish any directive:
- 2. **EXECUTETAG** specified word for execute the element defined as another tag;
- 2. **CONDITION QUERY** type of tag;
- 3. **F0** identification (name) of element defined before as another tag;
- 4. **RETURN** specified word reserved as un directive to return back the value;
- 5. **SIZE** in our case the current element in the cycle FOR;

**Structure**: - - the result will been integrated into the template as object of type String (if is possible) **%EXECUTEBEAN.data** string.toString()%

- 1. % symbols for start and finish one directive;
- 2. **EXECUTEBEAN** - specified word for execute the element defined before as <BEAN > or <OBJECT JAVA>;
- 3. data\_string identification (name) of element defined before <BEAN > or <OBJECT\_JAVA>;
- 4. **toString()** method for execute;

## %EXECUTEBEAN.data\_string.Method(primitive type:1)%

**CORRECT** 

%EXECUTEBEAN.data\_string.Method(primitive type: [elem])%

CORRECT

%EXECUTEBEAN.data\_string.Method(primitive type: [

{<u>EXECUTEBEAN.data\_string.Method(primitive type:</u> [elem])}

)%

#### **CORRECT**

- 1. % symbols for start and finish one directive;
- 2. **EXECUTEBEAN** specified word for execute the element defined before as <BEAN > or <OBJECT\_JAVA>;
- 3. data\_string identification (name) of element defined before <BEAN or <OBJECT JAVA>;
- 4. **Method** the method for execute;



```
5 1
                           - value of primitive type (int, short, long, double, float,
      char) or of types: java.lang.String, java.math.BigDecimal;
                           - name of parameter defined before as <BEAN > or
      6. [elem]
      <OBJECT JAVA>;
                           - separator between name of type and element (or value if is
      7.:
      constant);
Structure: - the result will been integrated into the template as object of type String (if
is possible)
%EXECUTEBEAN.vector string.lastIndexOf (java.lang.Object:[elem]; int:0)%
%EXECUTEBEAN.vector string.lastIndexOf (java.lang.Object:
      EXECUTEBEAN.data string.Method(primitive type:1)
l; int:
       EXECUTEBEAN. data string. Method (primitive type:
              {EXECUTEBEAN.data string.Method(tipo: [elem])}
      )}
).toString()%
       1. %
                           - symbols for to show start and finish of directive;
      2. EXECUTEBEAN - specified word for execute the element defined before as
      <BEAN > or <OBJECT JAVA>;
                           - identification (name) of the element defined before
      3. data string
      <BEAN or <OBJECT JAVA>;
      4. lastIndexOf
                           - method for execute;
                           - symbols for to show start and finish of array of the
      5. ( and )
      parameters witch will been used for method;
                           - separator between parameters;
      7. java.lang.Object - name of the complex type;
      8. int
                           - name of the primitive type (int, short, long, double, float,
      char);
                           - name of parameter defined before as <BEAN > or
      9. [elem]
      <OBJECT JAVA>;
       10. 0
                           - value of primitive type (int, short, long, double, float,
      char) or of types: java.lang.String, java.math.BigDecimal;
                           - separator between the name of type and the element (or
       11.:
      value if is constant);
Tag <USEBEAN>
<USEBEAN ID=" s d f" METHOD=" applyPattern " PARAMETERS="</pre>
STRING:yyyy-MM-dd " SET=" recipient"/>
      DEPRECATED
```



```
or
<USEBEAN ID="s d f" METHOD="applyPattern(STRING:yyyy-MM-dd)"</pre>
SET="recipient"/>
                            CORRECT
                            - identification (name) of the element defined before
       1. s d f
       <BEAN or <OBJECT JAVA>;
       2. applyPattern_____- name of the method for execute;
       3. ( and )
                           - symbols for show start and finish of array of parameters
       witch will been used for the method;
       4.:
                            - separator between parameters;
       5. STRING
                            - name of complex type;
       6. yyyy-MM-dd
                            - value of primitive type (int, short, long, double, float,
       char);
       7. . :
                            - separator between the name of type and the element (or
       value if is constant);
       8. recipiente
                            - identification (name) of the element witch will been
       initialised from the result
Tag <OBJECT JAVA>
<OBJECT JAVA ID="init" TYPE="it.bci.db.Initializer" CLASS=" it.bci.db.Initializer "</p>
SOURCE="menu" METHOD="getIni"/>
or
<OBJECT JAVA ID="data string" TYPE="java.lang.String" CLASS="java.lang.String"</p>
SOURCE="" METHOD=""/>
or
<OBJECT JAVA ID="intg" TYPE="java.lang.Integer" CLASS="java.lang.Integer"</p>
SOURCE="" METHOD="java.lang.Integer(int:1)"/>
       1. init
                            - identification (name) of the element;
       2. it.bci.db.Initializer - type of element;
       3. menu
                           - identification (name) of the element defined before
       <BEAN or <OBJECT JAVA> and witch is used as parent of the our element. If
       this attribute is blank – tag will be used as constructor.
       4. getIni
                            - method of parent for generate the element. If the attribute
       SOURCE is blank and for constructor have need the parameters – it will been put
       here in next mode: java.lang.Integer(int:1):
```



## 3.1. List of reserved variables.

SYSTEM:Included	Flag witch indicate this part of document is normal or included	Boolean
	normal of included	
SYSTEM:Response	Http response	
SYSTEM:Request	Http request	
SYSTEM: Document_PageNumber_	Current number of page	Integer
SYSTEM:Canvas	Canvas of element for document	Vector
SYSTEM:Session	Http session	
INCLUDE:Parameters	Equivalent of Request.getParameter but only	
	for included parts of document	



# 4. Types of TAG: <TAG>

The structure, position and place of tag is described into /chart/iReport.dtd (or appendix 1).

## initial

GENERAL				
ID	Id of tag			No
TYPE DOCUMENT	Type of creation	FIXED		No
	1 Type of Grounds	STREAM	Л	
		ATTACE	HMENT	
SOURCE_DOCUMENT	if TYPE DOCUMENT="FIXED" –			No
_	path of file on the disk			
ORIENTATION	Orientation of the document	PORTRA	AIT	No
		LANDSO	CAPE	
MARGINS	margins			No
LIB	Library used			No
	As default – pdf			
	For excel - xls			
	Return:			
EXECUTETAG.GENERA			ID	
	L:[ID].getTYPE_DOCUMENT		ID	
	L: [ID].getSOURCE_DOCUMENT		ID	
	L:[ID].getORIENTATION		ID	
EXECUTETAG.GENERA	AL: [ID].getMARGINS		ID	
<general< th=""><th></th><th></th><th></th><th></th></general<>				
TYPE_DOCUMEN				
ORIENTATION='				
MARGINS="10,10	0,10,10''>			

DOCUMENT -	init of document		
ID	Identificator		No
TITLE	Metadata: TITLE of PDF Document		No
AUTHOR	Metadata: AUTHOR of PDF		No
	Document		
SUBJECT	Metadata: SUBJECT of PDF		No
	Document		
KEYWORDS	Metadata: KEYWORDS of PDF		No
	Document		
CREATOR	Metadata: CREATOR of PDF		No
	Document		
STYLE_ID	ID of STYLE		No
	Return		
EXECUTETAG.DO	OCUMENT: [ID].getID	ID	
EXECUTETAG.DO	OCUMENT: [ID].getSTYLE_ID	STYLE_ID	
<document></document>			_



SHEET – init of excel sheet (only for excel) isn't obligate		
ID	Identificator	No
SHEET_NAME	Name of excel sheet	No
SHEET_NUMBER	Number of excel sheet	No
<sheet></sheet>		

INIT – the block of	of declaration for the ne	ext types: bean, style, db_init	
ID	Id of tag		No
<init></init>			

BEAN – make	the relation with javabean from	session	
ID	Nome del javabean		yes
TYPE	Javatype del bean		yes
CLASS	Javaclass del bean		yes
SCOPE	Tipo del BEAN	SESSION REQUEST	yes
	R	leturn:	
EXECUTETAG	.BEAN:[ID].getID	Name	
EXECUTETAG	.BEAN:[ID].getTYPE	ТҮРЕ	
EXECUTETAG	.BEAN:[ID].getCLASS	CLASS	
EXECUTETAG.BEAN: [ID].getSCOPE		SCOPE	
EXECUTETAG	BEAN: ID RETURN	<nothing></nothing>	
EXECUTEBEA	N. [ID].[sintasso_del_java]		
<bean< td=""><td></td><td></td><td></td></bean<>			
ID="date	es"		
	java.lang.String"		
CLASS=	-"java.lang.String"		
SCOPE="SESSIC	N"/>		

OBJECT JAVA -	- for create un object Java		
ID	Name of object		Yes
TYPE	Type of java object		Yes
CLASS	Class of java object		Yes
SOURCE	The parent object of object_java		No
METHOD	The method for create the object java		No
	from SOURCE		
	Return:		
EXECUTETAG. OBJ	ECT_JAVA: [ID].getID	ID	
EXECUTETAG. OBJ	ECT_JAVA: [ID].getTYPE	TYPE	
<b>EXECUTETAG.OBJ</b>	EXECUTETAG.OBJECT JAVA: [ID].getCLASS CLASS		
<b>EXECUTETAG.OBJ</b>	ECT_JAVA:[ID].getSOURCE	SOURCE	
<b>EXECUTETAG.OBJ</b>	ECT_JAVA:[ID].getMETHOD	METHOD	
<object_java< th=""><th></th><th></th><th></th></object_java<>			
ID="init"			
TYPE="it.bci	.db.Initializer"		



CLASS="it.bci.db.Initializer"
SOURCE="menu"
METHOD="getIni"/>

IISEREAN _ for	use un object as JavaBean of the current session or un ob	piect created from
another object jav		Sjeet created from
ID	Name of the object	Yes
METHOD	Method of the object wich will be	Yes
	used	
PARAMETERS	The parameters of method	No
SET	The ID of the object set witch will	No
	get the result of operation	
<usebean< th=""><th></th><th>·</th></usebean<>		·
ID="reports_1		
METHOD="6	elementAt(int:%EXECUTETAG.CONDITION_FOR:F1.RETURN	%)" PARAMETERS=""
SET="element"/>	·	

INIT_DB_CONNEC	TION – for open database connection	
ID	Name of the object	Yes
DB_DRIVER	Driver for create connection	Yes
DB_URL	DB url for connection	Yes
DB_USER	User name	No
DB_PASSWORD	Password	No
	OM.ibm.db2.jdbc.net.DB2Driver" DB2://localhost/MYDB" ER1"	



# • logical

CONDITION_FOR – define conditions for the cycle of type FOR			
ID	identification		Yes
FOR_FIRSTCOUNTER	Index of start	[0]	Yes
FOR_LASTCOUNTER	Index of finish		Yes
FOR_STEPCOUNTER	Step	[1]	No
	Return		·
EXECUTETAG.CONDITION_I		ID	
	OR: [ID].getFOR_FIRSTCOUNTER	FOR_FIRSTCOUNTER	
EXECUTETAG.CONDITION_I	FOR:[ID].getFOR_LASTCOUNTER	FOR_LASTCOUNTER	
	FOR: [ID].getFOR_STEPCOUNTER	FOR_STEPCOUNTER	
<b>EXECUTETAG. CONDITION</b>	FOR: [ID].RETURN	Current index	
<b>EXECUTETAG. CONDITION</b>	FOR: [ID].RETURN.INDEX	Current index	
<b>EXECUTETAG. CONDITION</b>	FOR: [ID].RETURN.SIZE	= FOR_LASTCOUNTER	
<condition_for< th=""><th></th><th></th><th></th></condition_for<>			
ID="C_F0"			
FOR_FIRSTCOUNTER=			
FOR_LASTCOUNTER='	'100"		
FOR_STEPCOUNTER="1" />			

CONDITION_IF - define co	ondition		
ID	identification		No
CONDITION	Index of start	Can be used = equal ! not equal < loss > more	Yes
<condition_if <="" condition="%EXECU &gt; &lt;/CONDITION_IF&gt;&lt;/td&gt;&lt;td&gt;UTEBEAN.test_number.toString()%=0" td=""><td></td><td></td></condition_if>			
<condition_if <="" condition="%EXECU &gt; &lt;/CONDITION_IF&gt;&lt;/td&gt;&lt;td&gt;JTEBEAN.test_string.toString()%!'test'" td=""><td></td><td></td></condition_if>			

CONDITION_QUERY – define condition query			
ID	identification		No
Q_INIT	Name of <bean> or <object_java> witch have the type java.sql.Connection . Must be initialize and open. Another way – use the tag <init_db_connection> declared before.</init_db_connection></object_java></bean>		Yes
Q_QUERY	Query for executed		Yes
Q_MAX_ELEMENT	The maximum limit of number of record in tesultSet		No
	Return		
EXECUTETAG. CONDITION	ON_QUERY:[ID].getID	ID	
EXECUTETAG. CONDITION	ON_QUERY:[ID]. SYZE	Size of resultset	



```
EXECUTETAG. CONDITION_QUERY: [ID].INDEX

CONDITION_QUERY
ID="query1"
Q_INIT="connection_DB2_first"
Q_QUERY="SELECT NAME FROM EMPLOYERS WHERE CD_USER="
="%EXECUTEBEAN.test_user.toString()%""
/>
```

CYCLE – the structure	for organise un cycle		
ID	identificator		Yes
CONDITION_TYPE	Type of condition	CONDITION_FOR CONDITION_QUERY	Yes
CONDITION_ID	ID of condition		Yes
	Returi	n	
EXECUTETAG.CYCLE:	[D].getID	ID	
EXECUTETAG.CYCLE:	D.getCONDITION_TYPE		
EXECUTETAG.CYCLE:	D.getCONDITION_ID		
EXECUTETAG.CYCLE:	[D].[all type decired for CONDI	TION_TYPE]	
<condition_qu< td=""><td>ERY</td><td></td><td></td></condition_qu<>	ERY		
ID="Q1"			
Q_INIT="in	"="select"/>		
Q_QUERT	- select />		
<cycle <="" id="C0" td=""><td></td><td></td><td></td></cycle>			
	E="CONDITION_QUERY"		
CONDITION ID="			



# • layout

The attributes of tag STYLE can be applicable for any another tag with attribute [STYLE\_ID]

ID	rle for the tags where can be used at ID of tag	_	No
FONT	Font	[COURIER] HELVETICA TIMES_NEW_ROMAN SYMBOL	No
FONE CIGE	D: CC	ZAPFDINGBATS	3.7
FONT_SIZE	Dimention of font	[8]	No
FONT_TYPE	Type of font	[NORMAL] BOLD ITALIC BOLDITALIC STRIKETHRU UNDERLINE	No
FONT_ENCODED	Codepage of font (use ONLY for tag [TEXT])	Cp1250 CP1252 CP1257	No
FONT STYLE	Style of font	011201	No
FONT_COLOR	Color of font	[BLACK] BLUE CYAN DARKGRAY GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED WHITE YELLOW	No
BACK_COLOR	Color of font in RGB  Color of back	Ex: 150,20,100  BLACK  BLUE  CYAN  DARKGRAY  GRAY  GREEN  LIGHTGRAY  MAGENTA  ORANGE  PINK  RED  [WHITE]  YELLOW	No No
BACK_COLOR_RGB	Color of back in RGB	Ex: 150,20,100	No
BAR_COLOR	Color of bar	BLACK BLUE CYAN	No



DARKGRAY GRAY GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BAR_COLOR_RGB Color of bar in RGB Ex: 150,20,100 BORDER_COLOR Color of border BLACK	
GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BAR_COLOR_RGB  Color of bar in RGB  Ex: 150,20,100	
LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BAR_COLOR_RGB Color of bar in RGB Ex: 150,20,100	
MAGENTA ORANGE PINK RED [WHITE] YELLOW  BAR_COLOR_RGB Color of bar in RGB Ex: 150,20,100	
MAGENTA ORANGE PINK RED [WHITE] YELLOW  BAR_COLOR_RGB Color of bar in RGB Ex: 150,20,100	
ORANGE PINK RED [WHITE] YELLOW  BAR_COLOR_RGB Color of bar in RGB Ex: 150,20,100	
PINK   RED   [WHITE]   YELLOW   BAR_COLOR_RGB   Color of bar in RGB   Ex: 150,20,100	
RED   [WHITE]   YELLOW	
BAR_COLOR_RGB	
BAR_COLOR_RGB Color of bar in RGB Ex: 150,20,100	
BAR_COLOR_RGB Color of bar in RGB Ex: 150,20,100	
DODDED COLOD Color of horder DIACK	No
DONDER COLOR   COIOI OI DOIGEI   BLACK	No
BLUE	
CYAN	
DARKGRAY	
GRAY	
GREEN	
LIGHTGRAY	[
MAGENTA	
ORANGE	
PINK	
RED	
[WHITE]	
YELLOW	
	No
BORDER_COLOR_TOP Color of border Top BLACK	No
BLUE	
CYAN	
DARKGRAY	
GRAY	
GREEN	
LIGHTGRAY	
MAGENTA	
ORANGE	
PINK	
RED	
[WHITE]	
YELLOW	
BORDER_COLOR_TOP_RGB Color of back in RGB Top Ex: 150,20,100	No
BORDER COLOR BOTTOM Color of border Bottom BLACK	No
BLUE	
CYAN	
DARKGRAY	
GRAY	
GREEN	
LIGHTGRAY	
MAGENTA	
ORANGE	
PINK	
RED	
[WHITE]	
YELLOW	
	NT.
LINGER THE RELIEF OF BLUE HEALT BOOK OF DROPE IN RESERVITION OF THE STATE OF THE ST	No
	I NA
BORDER_COLOR_LEFT Color of border Left BLACK BLUE	No



DARKGRAY GREN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER_COLOR_LEFT_RGB   Color of back in RGB Left   Ex: 150,20,100   N BORDER_COLOR_RIGHT   Color of border Right   BLACK   BLUE   CYAN   DARKGRAY   GRAY   GREN   LIGHTGRAY   MAGENTA   ORANGE   PINK   RED   [WHITE]   YELLOW  BORDER_COLOR_RIGHT   RGB   Color of back in RGB Right   Ex: 150,20,100   N BORDER_WIDTH   Width of the border   WHITE]   YELLOW  BORDER_WIDTH   Width of the border top   N BORDER_WIDTH BOTTOM   Width of the border left   N BORDER_WIDTH LEFT   Width of the border left   N BORDER_WIDTH_RIGHT   Width of the b				
GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER_COLOR_LEFT_RGB			CYAN	
GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR LEFT RGB Color of back in RGB Left Ex: 150,20,100 N BORDER_COLOR_RIGHT Color of border Right BLACK BLUE CYAN DARKGRAY GRAY GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N DARKGRAY GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER WIDTH Width of the border N BORDER WIDTH BOTTOM Width of the border top BORDER WIDTH BOTTOM Width of the border bottom BORDER WIDTH LEFT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width N BORDER WIDTH RIGHT N MAGE_SOURCE Source of the image (start from "")" if its related with ROOT)  IMAGE LINK WEB link DIMENTION H Width N DIMENTION H Height N ABSOLUTE X Absolute top position of the page N TEXT_ROYATION_DEGREE Angle of spin rotation for			DARKGRAY	
BORDER_COLOR_RIGHT RGB Color of back in RGB Left Ex: 150,20,100 N BORDER_COLOR_RIGHT Color of border Right BLACK BLUE CYAN DARKGRAY GRAY GRAY GRAY GRAY GRAY GRAY GRAY			GRAY	
BORDER_COLOR_RIGHT Color of back in RGB Left Ex: 150,20,100 N BORDER_COLOR_RIGHT Color of border Right BLACK BLUE CYAN DARKGRAY GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER_COLOR_RIGHT Color of border Right BLACK SHOWN DARKGRAY GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW SOME STORM STATE ST			GREEN	
BORDER COLOR LEFT RGB Color of back in RGB Left Ex: 150,20,100 N BORDER_COLOR_RIGHT Color of border Right BLACK BLUE CYAN DARKGRAY GRAY GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER_COLOR_RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N BORDER_WIDTH Width of the border N BORDER_WIDTH Width of the border top BORDER_WIDTH BOTTOM Width of the border bottom SORDER_WIDTH BOTTOM Width of the border left N BORDER_WIDTH BOTTOM Width of the border left N BORDER_WIDTH BOTTOM Width of the border left N BORDER_WIDTH RIGHT Width of the border left N BORDER_WIDTH RIGHT Width of the border right N BORDER_WIDTH RIGHT Width of the border right N BORDER_WIDTH RIGHT Width of the border left N BORDER_WIDTH RIGHT Width of the border right N BORDER_WIDTH RIGHT WIDTH N BORDER_WIDTH RIGHT N BORDER_WIDTH RIGHT WIDTH N BORDER_WIDTH RIGHT N BORDER			LIGHTGRAY	
BORDER_COLOR_LEFT_RGB			MAGENTA	
RED [WHITE] YELLOW  BORDER_COLOR_LEFT_RGB   Color of back in RGB Left   Ex: 150,20,100   N  BORDER_COLOR_RIGHT   Color of border Right   BLACK   BLUE   CYAN   DARKGRAY   GRAY   GREEN   LIGHTGRAY   MAGENTA   ORANGE   PINK   RED   [WHITE]   YELLOW    BORDER_COLOR_RIGHT_RGB   Color of back in RGB Right   Ex: 150,20,100   N  BORDER_WIDTH   Width of the border   N   BORDER_WIDTH   EXT   Width of the border bottom   N   BORDER_WIDTH   LEFT   Width of the border left   N   BORDER_WIDTH   RIGHT   Width of the border left   N   N   MAGE_SOURCE   Source of the image (start from "/" if is related with ROOT)    IMAGE_LINK   WEB link   N   DIMENTION   Width   N   N   DIMENTION   H   Height   N   ABSOLUTE_X   Absolute left position on the page   N    ABSOLUTE_Y   Absolute top position of the page   N    TEXT_ROTATION_DEGREE   Angle of spin rotation for   N			ORANGE	
BORDER COLOR LEFT RGB Color of back in RGB Left Ex: 150,20,100 N BORDER_COLOR_RIGHT Color of border Right BLACK BLUE CYAN DARKGRAY GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N BORDER WIDTH Width of the border More and the border top N BORDER WIDTH BOTTOM Width of the border top N BORDER WIDTH LEFT Width of the border left N BORDER WIDTH LEFT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width of the border left N BORDER WIDTH RIGHT Width OF BORDER WIDTH RIGHT N BORDER WIDTH RIGHT WIDE Source of the image (start from "/" if is related with ROOT)  IMAGE LINK WEB link N DIMENTION WEB link N DIMENTION WHEB LINK N BORDER WIDTH WIDTH WIDTH N BORDER WIDTH N BORDER WIDTH RIGHT R BORDER WIDTH R BORDER WID			PINK	
BORDER_COLOR_LEFT_RGB			RED	
BORDER_COLOR_LEFT_RGB			[WHITE]	
BORDER_COLOR_RIGHT  Color of border Right  BLACK BLUE CYAN DARKGRAY GRAY GRAY GREN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100  N BORDER WIDTH Width of the border N BORDER WIDTH BOTTOM BORDER WIDTH BOTTOM BORDER WIDTH LEFT Width of the border left N BORDER WIDTH LEFT Width of the border left N BORDER WIDTH RIGHT IMAGE_SOURCE Source of the image (start from '''' if is related with ROOT)  IMAGE LINK WEB link DIMENTION H Width N DIMENTION V Height ABSOLUTE_X Absolute top position of the page ABSOLUTE Y Absolute top position of the page N TEXT_ROTATION_DEGREE  Angle of spin rotation for			YELLOW	
BORDER_COLOR_RIGHT  Color of border Right  BLACK BLUE CYAN DARKGRAY GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER_COLOR_RIGHT_RGB Color of back in RGB Right Ex: 150,20,100 N BORDER_WIDTH Width of the border N BORDER_WIDTH BOTTOM BORDER_WIDTH BOTTOM BORDER_WIDTH BOTTOM BORDER_WIDTH LEFT Width of the border top BORDER_WIDTH LEFT Width of the border left N BORDER_WIDTH RIGHT Width of the border right IMAGE_SOURCE Source of the image (start from "/" if is related with ROOT) IMAGE_LINK WEB link DIMENTION_U ABSOLUTE_X Absolute top position on the page ABSOLUTE_Y Absolute top position of the page N TEXT_ROTATION_DEGREE  Angle of spin rotation for	BORDER COLOR LEFT RGB	Color of back in RGB Left	Ex: 150,20,100	No
BLUE CYAN DARKGRAY GRAY GRAY GREN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N BORDER WIDTH Width of the border BORDER WIDTH BOTTOM BORDER WIDTH BOTTOM Width of the border left N BORDER WIDTH LEFT Width of the border right N BORDER WIDTH RIGHT Width of the border right N BORDER WIDTH RIGHT Width of the border right N BORDER WIDTH RIGHT Width of the border right N MAGE_SOURCE Source of the image (start from """ if is related with ROOT)  IMAGE LINK WEB link DIMENTION H Width DIMENTION V Height ABSOLUTE Y Absolute left position on the page ABSOLUTE Y Absolute top position of the page N TEXT_ROTATION_DEGREE Angle of spin rotation for	BORDER COLOR RIGHT	Color of border Right		No
CYAN DARKGRAY GRAY GRAY GREN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N BORDER WIDTH Width of the border N BORDER WIDTH TOP Width of the border top Width of the border top N BORDER WIDTH BOTTOM Width of the border bottom N BORDER WIDTH LEFT Width of the border left N BORDER WIDTH LEFT Width of the border right N MAGE_SOURCE Source of the image (start from "/" if is related with ROOT)  IMAGE_LINK WEB link N DIMENTION H Width DIMENTION V Height ABSOLUTE_X Absolute left position on the page ABSOLUTE_Y Absolute top position of the page N TEXT_ROTATION_DEGREE Angle of spin rotation for				
DARKGRAY GRAY GRAY GREN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITTE] YELLOW  BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N BORDER WIDTH Width of the border BORDER WIDTH TOP Width of the border top BORDER WIDTH BOTTOM Width of the border bottom BORDER WIDTH BOTTOM Width of the border left NBORDER WIDTH LEFT Width of the border left NBORDER WIDTH RIGHT Width of the border right IMAGE_SOURCE Source of the image (start from "/" if is related with ROOT)  IMAGE LINK WEB link DIMENTION H Width DIMENTION WHEIGHT Width DIMENTION V Height ABSOLUTE_X Absolute left position on the page ABSOLUTE_Y Absolute top position of the page  NTEXT_ROTATION_DEGREE Angle of spin rotation for				
GRAY GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N BORDER WIDTH Width of the border N BORDER WIDTH TOP Width of the border top BORDER WIDTH BOTTOM Width of the border bottom BORDER WIDTH LEFT Width of the border left N BORDER WIDTH LEFT Width of the border right IMAGE SOURCE Source of the image (start from "" if is related with ROOT)  IMAGE LINK WEB link N DIMENTION H Width DIMENTION V Height ABSOLUTE X Absolute left position on the page  ABSOLUTE Y Absolute top position of the page  N TEXT_ROTATION_DEGREE Angle of spin rotation for				
GREEN LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N BORDER WIDTH Width of the border N BORDER WIDTH TOP Width of the border top BORDER WIDTH BOTTOM Width of the border left BORDER WIDTH LEFT Width of the border left BORDER WIDTH RIGHT Width of the border right N IMAGE_SOURCE Source of the image (start from "/" if is related with ROOT) IMAGE LINK WEB link N DIMENTION H Width N DIMENTION V Height ABSOLUTE X Absolute left position on the page ABSOLUTE Y Absolute top position of the page N TEXT_ROTATION_DEGREE Angle of spin rotation for				
LIGHTGRAY MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB				1
MAGENTA ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N BORDER WIDTH Width of the border BORDER WIDTH TOP Width of the border top NBORDER WIDTH BOTTOM Width of the border bottom BORDER WIDTH LEFT Width of the border left NBORDER WIDTH RIGHT Width of the border right IMAGE_SOURCE Source of the image (start from """ if is related with ROOT)  IMAGE LINK WEB link DIMENTION_H Width DIMENTION_V Height ABSOLUTE_X Absolute left position on the page  ABSOLUTE_Y Absolute top position of the page TEXT_ROTATION_DEGREE Angle of spin rotation for				1
ORANGE PINK RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N BORDER WIDTH Width of the border N BORDER WIDTH TOP Width of the border top N BORDER WIDTH BOTTOM Width of the border bottom N BORDER WIDTH LEFT Width of the border left N BORDER WIDTH LEFT Width of the border right N IMAGE_SOURCE Source of the image (start from "" if is related with ROOT)  IMAGE LINK WEB link N DIMENTION H Width N DIMENTION V Height N ABSOLUTE_X Absolute left position on the page  ABSOLUTE_Y Absolute top position of the page  TEXT_ROTATION_DEGREE Angle of spin rotation for				
BORDER_COLOR_RIGHT_RGB				
RED [WHITE] YELLOW  BORDER COLOR RIGHT RGB				
BORDER COLOR RIGHT RGB Color of back in RGB Right Ex: 150,20,100 N BORDER WIDTH Width of the border N BORDER WIDTH TOP Width of the border top N BORDER WIDTH BOTTOM Width of the border bottom N BORDER WIDTH LEFT Width of the border left N BORDER WIDTH RIGHT Width of the border right N IMAGE_SOURCE Source of the image (start from "/" if is related with ROOT)  IMAGE LINK WEB link N DIMENTION_H Width N DIMENTION_V Height N ABSOLUTE_X Absolute left position on the page  ABSOLUTE_Y Absolute top position of the page  N TEXT_ROTATION_DEGREE Angle of spin rotation for				
BORDER_COLOR_RIGHT_RGB				
BORDER_COLOR_RIGHT_RGB				
BORDER WIDTH TOP Width of the border top N BORDER WIDTH BOTTOM Width of the border bottom N BORDER WIDTH LEFT Width of the border left N BORDER WIDTH RIGHT Width of the border right N IMAGE_SOURCE Source of the image (start from "/" if is related with ROOT)  IMAGE_LINK WEB link N DIMENTION H Width N DIMENTION V Height N ABSOLUTE_X Absolute left position on the page  ABSOLUTE Y Absolute top position of the page  N TEXT_ROTATION_DEGREE Angle of spin rotation for N	BORDER COLOR RIGHT RGR	Color of back in RGR Right		No
BORDER WIDTH TOP  BORDER WIDTH BOTTOM  BORDER WIDTH LEFT  Width of the border bottom  NOTE BORDER WIDTH LEFT  Width of the border left  NOTE BORDER WIDTH RIGHT  Width of the border right  NOTE BORDER WIDTH RIGHT  Width of the border right  NOTE BORDER WIDTH RIGHT  Width of the border right  NOTE BORDER WIDTH RIGHT  NOTE			LA. 130,20,100	No
BORDER WIDTH BOTTOM  BORDER WIDTH LEFT  Width of the border left  N  BORDER WIDTH RIGHT  Width of the border right  N  IMAGE_SOURCE  Source of the image (start from "/" if is related with ROOT)  IMAGE LINK  WEB link  N  DIMENTION H  Width  N  DIMENTION V  ABSOLUTE_X  Absolute left position on the page  ABSOLUTE_Y  Absolute top position of the page  N  TEXT_ROTATION_DEGREE  N  N  N  N  N  N  N  N  N  N  N  N				No
BORDER_WIDTH_LEFT Width of the border left N BORDER_WIDTH_RIGHT Width of the border right N IMAGE_SOURCE Source of the image (start from "/" if is related with ROOT)  IMAGE_LINK WEB link N DIMENTION_H Width N DIMENTION_V Height N ABSOLUTE_X Absolute left position on the page  ABSOLUTE_Y Absolute top position of the page N  TEXT_ROTATION_DEGREE Angle of spin rotation for N				No
BORDER WIDTH RIGHT  IMAGE_SOURCE  Source of the image (start from "/" if is related with ROOT)  IMAGE_LINK  DIMENTION_H  DIMENTION_V  ABSOLUTE_X  Absolute left position on the page  ABSOLUTE_Y  Absolute top position of the page  N  TEXT_ROTATION_DEGREE  N  North Height  N  Absolute top position of the page  N  TEXT_ROTATION_DEGREE  N  North Height  N  Absolute top position of the page  N  Rotation for  N				
IMAGE_SOURCE       Source of the image (start from "/" if is related with ROOT)         IMAGE_LINK       WEB link       N         DIMENTION_H       Width       N         DIMENTION_V       Height       N         ABSOLUTE_X       Absolute left position on the page       N         ABSOLUTE_Y       Absolute top position of the page       N         TEXT_ROTATION_DEGREE       Angle of spin rotation for       N				
"/" if is related with ROOT)  IMAGE_LINK WEB link N  DIMENTION_H Width N  DIMENTION_V Height N  ABSOLUTE_X Absolute left position on the page  ABSOLUTE_Y Absolute top position of the page N  TEXT_ROTATION_DEGREE Angle of spin rotation for N				Yes
IMAGE LINK       WEB link       N         DIMENTION_H       Width       N         DIMENTION_V       Height       N         ABSOLUTE_X       Absolute left position on the page       N         ABSOLUTE_Y       Absolute top position of the page       N         TEXT_ROTATION_DEGREE       Angle of spin rotation for       N	IMAGE_SOURCE			res
DIMENTION_H       Width       N         DIMENTION_V       Height       N         ABSOLUTE_X       Absolute left position on the page       N         ABSOLUTE_Y       Absolute top position of the page       N         TEXT_ROTATION_DEGREE       Angle of spin rotation for       N	IMACE LINIZ			Na
DIMENTION V       Height       N         ABSOLUTE_X       Absolute left position on the page       N         ABSOLUTE_Y       Absolute top position of the page       N         TEXT_ROTATION_DEGREE       Angle of spin rotation for       N				
ABSOLUTE_X Absolute left position on the page  ABSOLUTE_Y Absolute top position of the page  TEXT_ROTATION_DEGREE Angle of spin rotation for N	_			
page ABSOLUTE_Y Absolute top position of the page  TEXT_ROTATION_DEGREE Angle of spin rotation for N				
ABSOLUTE_Y Absolute top position of the page N TEXT_ROTATION_DEGREE Angle of spin rotation for N	ABSOLUTE_X	*		No
TEXT_ROTATION_DEGREE Angle of spin rotation for N	A D C O L L'ETT. M			1 37
				No
	TEXT_ROTATION_DEGREE			No
		content.		
For pdf – any degrees				
For excel only: 0,45, <u>90</u> ,270,315				1
degrees				<del> </del>
	BORDER	Border of the object		No
1 top				
2 button				
4 left				
8 right				1
15 complete				1
	FORMAT	Format of the object		No
DATE: <u>format</u>				
ISNULL: value if 0	·		LICALLI Lavoluo de Ol	1
NOTNULL:value if no 0				
TRIM:			NOTNULL: value if no 0	



		UPPERCASE:  LOWERCASE:  SUBSTRING: number_of_characters  REPLACE:[AB]  (character A replace on the character B)	
PADDING	Padding		No
ALIGN	Align of text	[LEFT] RIGHT CENTER	No
<style align="CENTER" font="HELVETICA" font_size="10" font_type="BOLD" id="Style1" padding="3"></style>	·		·

# COL\_SPAN, ROW\_SPAN is used ONLY for html\_xls library

BARCODE – for crea	ate un object [BARCODE]		
ID	Identification of tag		No
STYLE ID	ID of style		No
BARCODE_TYPE	Type of barcode	CODABAR 39 39_EXTENDED 128 128_UCC 128_RAW EAN8 EAN13 INTERLEAVED POSTNET PLANET	yes
BARCODE HEIGHT		[30]	No
CODE	Code of barcode		Yes
<pre></pre>	GHT="40" '89"		·

BLOCK – create un block of text			
ID	Identification of tag		No
STYLE_ID ID of object STYLE		No	
<block< td=""><td></td></block<>			
FONT="HELVETICA"			
FONT_SIZE="15"			
FONT_TYPE="	FONT TYPE="NORMAL"		



```
FONT_COLOR="GREEN"
ALIGN="CENTER">
TEXT
</BLOCK>
```

DOCUMENT_H	<b>IEADER</b> – initial of header of the document	t	
ID	Id of tag		No
STYLE_ID	Id of Style		No
	Return:		·
EXECUTETAG.DO	OCUMENT_HEADER:[ID].getID	ID	
EXECUTETAG.DO	OCUMENT_HEADER:[ID].getSTYLE_ID	STYLE_ID	
<pre><document_hea< pre=""></document_hea<></pre>	ADER>		
<td>ADER&gt;</td> <td></td> <td></td>	ADER>		

IMAGE – for create u	n image		
ID	Id of tag		No
IMAGE_SOURCE	Related path of image (to start from		Yes
"/" if relatet ROOT)			
<image< td=""><th></th><td></td><th></th></image<>			
IMAGE_SOURCE="/images/_pdf_intesabci.jpg"			
DIMENTION_H="60"			
DIMENTION_V="60"			
ALIGN="CENTER"/>			

TEXT – for create un text element					
ID	Id of tag		No		
STYLE_ID	Id style		No		
ISTEMPLATE	Flag	true	No		
[false]					
<text< td=""></text<>					
IMAGE_SOURCE="/images/_pdf_intesabci.jpg"					
ABSOLUTE_X="100"					
ABSOLUTE_Y="100"					
>test					

RECTANGLE – fo	RECTANGLE – for create un text element		
ID	Id of tag	No	
STYLE_ID	Id style	No	
X_LEFT	Left x position	yes	
X_RIGHT	Right x position	yes	
Y_TOP	Top y position	yes	
Y_BOTTOM	Bottom y position	yes	
<rectangle td="" x_lef<=""><td>FT="30" Y_TOP="50" X_RIGHT="800" Y_BOTTOM="50"/&gt;</td><td></td></rectangle>	FT="30" Y_TOP="50" X_RIGHT="800" Y_BOTTOM="50"/>		

LINK -object as Web	J		
ID	Id if tag		No
LINK	WEB link		Yes



```
<LINK

LINK="http://temp01/ctp/home.jsp"
FONT="HELVETICA"
FONT_SIZE="10"
FONT_TYPE="UNDERLINE"
FONT_COLOR="BLUE"
ALIGN="CENTER">
CTP
</LINK>
```

PAGE FOOTER – footer of the page			
ID	ID of object		Yes
STYLE_ID	ID dell'oggetto STYLE		No
PAGE_N	Per fare vedere il numero della	TRUE	No
	pagina	[FALSE]	
<page_footer< td=""><td></td><td></td><td></td></page_footer<>			
FONT="HELVE	FONT="HELVETICA"		
FONT_SIZE="10"			
FONT_TYPE="BOLD"			
FONT_COLOR="RED"			
PAGE_N="true"			
ALIGN="RIGHT">			
Page			

```
PAGE FOOTER – footer of the page (type 2)
                    ID of object
ID
                                                                                     Yes
STYLE_ID
                    ID dell'oggetto STYLE
                                                                                     No
<PAGE_FOOTER
      FONT="HELVETICA"
      FONT SIZE="10"
      FONT TYPE="BOLD"
      FONT COLOR="RED"
      PAGE_N="true"
      ALIGN="RIGHT">
      Page
</PAGE_FOOTER>
```

PAGE_HEADER – the header of the page		
ID	ID of tag	No
STYLE_ID	ID of style	No
<page_header></page_header>		

PAGE_HEADER_ – the header of the page (type 2)		
ID	ID of tag	lo.
STYLE_ID	ID of style	lo.
<page_header_></page_header_>		

### **PAGEBREAK** – for separate the pages



ID	ID of tag		No
ORIENTATION	Orientation of the next page	PORTRAIT	No
		LANDSCAPE	
MARGINS	Margins of the next page		No
<pagebreak></pagebreak>			

PARAGRAPH – for create un paragraph		
ID	ID of tag	No
STYLE_ID	ID of style	No
<paragraph></paragraph>		

```
PHRASE – for create un phrase

ID ID of tag No
STYLE_ID ID of style No

PHRASE

FONT_TYPE="STRIKETHRU"

STYLE_ID="Stale1">
Test

</PHRASE>
```

```
TABLE – for create un table
                       ID of tag
                                                                                             No
                       Number of column
COL
                                                                                             Yes
COLLS_DIMENTION
                       Dimensions of the column
                                                                                             Yes
                       (percents, separator,)
STYLE ID
                       ID of style
                                                                                            No
<TABLE
       COL="3"
       WIDTH="70%"
       ALIGN="RIGHT"
COLLS_DIMENTION="20,15,65">
```

```
TABLE BLOCK – un structure for to have the possibility to integrate un table into the another
table as un cell
                       ID of tag
ID
                                                                                        No
STYLE ID
                      ID of style
                                                                                        No
<TABLE COL="2" COLLS DIMENTION="30,70">
      <TABLE ROW>
             <TABLE BLOCK>
             <TABLE COL="1" COLLS DIMENTION="100">
             </TABLE>
             </TABLE BLOCK>
      </TABLE ROW>
</TABLE>
```

```
TABLE CELL – for create un cell for table
```



ID	ID of tag	No
STYLE_ID	ID of style	No
<table_cell< td=""><td></td><td></td></table_cell<>		
FONT="HELVETI	CA"	
FONT_SIZE="21"		
FONT_TYPE="BO	LD"	
BORDER="0"		
ALIGN="CENTER	">	
TEXT		

TABLE_ROW – for create un row of the table			
ID	ID		No
STYLE_ID	ID of the style tag		No
<table_row></table_row>			



## Appendix #1.

```
<!ELEMENT GENERAL (INIT*, PAGE FOOTER*, DOCUMENT+) *>
<!ELEMENT INIT (BEAN*, STYLE*, OBJECT JAVA*, USEBEAN*, CONDITION QUERY*, CONDITION FOR*,
CONDITION_IF*, CYCLE*, INCLUDE*, INIT_DB_CONNECTION*) *>
<!ELEMENT DOCUMENT (DOCUMENT HEADER?, PAGE HEADER*, USEBEAN*, CONDITION FOR*,
CONDITION_QUERY*, CONDITION_IF*, CYCLE*, INCLUDE*, TABLE*, BLOCK*, IMAGE*, TEXT*,
BARCODE*, CHART*, GOTO*, GOTO DESTINATION*, ACTION*, PAGEBREAK*, LINK*, PARAGRAPH*,
PHRASE*, PAGEBREAK*, OBJECT JAVA*, PAGE FOOTER *, DOCUMENT FOOTER?) *>
<!ELEMENT CYCLE (USEBEAN*, CONDITION_FOR*, CONDITION_QUERY*, CONDITION IF*, CYCLE*,
INCLUDE*, DOCUMENT HEADER?, PAGE HEADER?, PAGE FOOTER?, TABLE*, TABLE ROW*, TABLE CELL*,
BLOCK*, IMAGE*, TEXT*, BARCODE*, CHART*, PAGEBREAK*, OBJECT_JAVA*, GOTO*, GOTO_DESTINATION*, ACTION*, PAGEBREAK*, LINK*, PARAGRAPH*, PHRASE*)*>
<!ELEMENT CONDITION_IF (USEBEAN*, CONDITION_FOR*, CONDITION_QUERY*, CONDITION_IF*,</pre>
CYCLE*, INCLUDE*, DOCUMENT_HEADER?, PAGE_HEADER?, PAGE_FOOTER?, TABLE*, TABLE_ROW*,
TABLE CELL*, BLOCK*, IMAGE*, TEXT*, BARCODE*, CHART*, PAGEBREAK*, OBJECT JAVA*,
PARAGRAPH*, PHRASE*, GOTO*, GOTO_DESTINATION*, ACTION*, LINK*)*>
<!ELEMENT DOCUMENT HEADER (USEBEAN*, CONDITION_FOR*, CONDITION_QUERY*, CONDITION_IF*,</pre>
CYCLE*, INCLUDE*, TABLE*, BLOCK*, IMAGE*, TEXT*, BARCODE*, CHART*, OBJECT_JAVA*,
PARAGRAPH*, PHRASE*, GOTO*, GOTO DESTINATION*, ACTION*, LINK*)*>
<!ELEMENT PAGE FOOTER (#PCDATA)>
<!ELEMENT DOCUMENT FOOTER (USEBEAN*, CONDITION FOR*, CONDITION QUERY*, CONDITION IF*,
CYCLE*, INCLUDE*, TABLE*, BLOCK*, IMAGE*, TEXT*, BARCODE*, CHART*, OBJECT JAVA*,
PARAGRAPH*, PHRASE*, GOTO*, GOTO_DESTINATION*, ACTION*, LINK*)*>
<!ELEMENT PAGE_HEADER (USEBEAN*, CONDITION_FOR*, CONDITION_QUERY*, CONDITION_IF*, CYCLE*,</pre>
INCLUDE*, TABLE*, BLOCK*, IMAGE*, TEXT*, BARCODE*, CHART*, OBJECT JAVA*, PARAGRAPH*,
PHRASE*, GOTO*, GOTO DESTINATION*, ACTION*, LINK*)*>
<!ELEMENT PAGE FOOTER_ (USEBEAN*, CONDITION_FOR*, CONDITION_QUERY*, CONDITION_IF*,
CYCLE*, INCLUDE*, TABLE*, BLOCK*, IMAGE*, TEXT*, BARCODE*, CHART*, OBJECT_JAVA*,</pre>
PARAGRAPH*, PHRASE*, GOTO*, GOTO DESTINATION*, ACTION*, LINK*)*>
<!ELEMENT INIT DB CONNECTION (#PCDATA)>
<!ELEMENT TABLE (CONDITION FOR*, CONDITION QUERY*, CONDITION IF*, CYCLE*, INCLUDE*,
TABLE ROW*) *>
<!ELEMENT TABLE ROW (CONDITION FOR*, CONDITION QUERY*, CONDITION IF*, CYCLE*, INCLUDE*,
TABLE CELL*, TABLE BLOCK*, IMAGE*, TEXT*, BARCODE*, CHART*, GOTO*, GOTO DESTINATION*,
ACTION*, LINK*) *>
<!ELEMENT TABLE BLOCK (CONDITION FOR*, CONDITION QUERY*, CONDITION IF*, CYCLE*, INCLUDE*,
BLOCK*, IMAGE*, TEXT*, BARCODE*, CHART*, TABLE*)*>
<!ELEMENT TABLE CELL (#PCDATA)>
<!ELEMENT BEAN (#PCDATA)>
<!ELEMENT OBJECT JAVA (#PCDATA)>
<!ELEMENT BLOCK (#PCDATA)>
<!ELEMENT USEBEAN (#PCDATA)>
<!ELEMENT IMAGE (#PCDATA)>
<!ELEMENT TEXT (#PCDATA)>
<!ELEMENT BARCODE (#PCDATA)>
<!ELEMENT CHART (#PCDATA)>
<!ELEMENT LINK (#PCDATA)>
<!ELEMENT INCLUDE (#PCDATA)>
<!ELEMENT PHRASE (#PCDATA)>
<!ELEMENT PARAGRAPH (PHRASE*, GOTO*, GOTO DESTINATION*, ACTION*, PAGEBREAK*, LINK*,
USEBEAN*, OBJECT JAVA*) *>
<!ELEMENT STYLE (#PCDATA)>
<!ELEMENT PAGEBREAK (#PCDATA)>
<!ELEMENT CONDITION FOR (#PCDATA)>
<!ELEMENT CONDITION QUERY (#PCDATA)>
<!ELEMENT GOTO (#PCDATA)>
<!ELEMENT GOTO DESTINATION (#PCDATA)>
<!ELEMENT ACTION (ACTION_GOPAGE*, ACTION_APPLICATION*, ACTION_JAVASCRIPT*, ACTION_FILE*)*>
<!ELEMENT ACTION GOPAGE (#PCDATA)>
<!ELEMENT ACTION APPLICATION (#PCDATA)>
<!ELEMENT ACTION JAVASCRIPT (#PCDATA)>
<!ELEMENT ACTION FILE (#PCDATA)>
<!ATTLIST GENERAL
        ID CDATA #IMPLIED
        TYPE DOCUMENT (FIXED | STREAM | ATTACHMENT | fixed | stream | attachment) #IMPLIED
        SOURCE DOCUMENT CDATA #IMPLIED
        SOURCE BEFORE FIXED CDATA #IMPLIED
```



```
SOURCE AFTER FIXED CDATA #IMPLIED
       ORIENTATION (PORTRAIT | LANDSCAPE | portrait | landscape) #IMPLIED
       MARGINS CDATA #IMPLIED
       LIB CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST STYLE
       ID CDATA #IMPLIED
       LINK CDATA #IMPLIED
       FONT (COURIER | HELVETICA | TIMES NEW ROMAN | SYMBOL | ZAPFDINGBATS | courier |
helvetica | times new roman | symbol | zapfdingbats) #IMPLIED
       FONT SIZE CDATA #IMPLIED
       FONT TYPE (NORMAL | BOLD | ITALIC | BOLDITALIC | STRIKETHRU | UNDERLINE | normal |
bold | italic | boloditalic | strikethru | underline) #IMPLIED
       FONT COLOR (BLACK | BLUE | CYAN | DARKGRAY | GRAY | GREEN | LIGHTGRAY | MAGENTA |
ORANGE | PINK | RED | WHITE | YELLOW | black | blue | cyan | darkGray | gray | green |
lightGray | magenta | orange | pink | red | white | yellow) #IMPLIED
       FONT COLOR RGB CDATA #IMPLIED
       FONT_STYLE (UNDERLINE | STRIKE) #IMPLIED
       BACK COLOR (BLACK | BLUE | CYAN | DARKGRAY | GRAY | GREEN | LIGHTGRAY | MAGENTA |
ORANGE | PINK | RED | WHITE | YELLOW | black | blue | cyan | darkGray | gray | green |
lightGray | magenta | orange | pink | red | white | yellow) #IMPLIED
       BACK COLOR RGB CDATA #IMPLIED
       BORDER COLOR (BLACK | BLUE | CYAN | DARKGRAY | GRAY | GREEN | LIGHTGRAY | MAGENTA
| ORANGE | PINK | RED | WHITE | YELLOW | black | blue | cyan | darkGray | gray | green |
lightGray | magenta | orange | pink | red | white | yellow) #IMPLIED
       BORDER COLOR RGB CDATA #IMPLIED
       BORDER WIDTH CDATA #IMPLIED
       BAR COLOR RGB CDATA #IMPLIED
       BAR COLOR (BLACK | BLUE | CYAN | DARKGRAY | GRAY | GREEN | LIGHTGRAY | MAGENTA |
ORANGE | PINK | RED | WHITE | YELLOW | black | blue | cyan | darkGray | gray | green |
lightGray | magenta | orange | pink | red | white | yellow) #IMPLIED
       IMAGE SOURCE CDATA #IMPLIED
       IMAGE LINK CDATA #IMPLIED
       DIMENTION H CDATA #IMPLIED
       DIMENTION V CDATA #IMPLIED
       BORDER CDATA #IMPLIED
       FORMAT CDATA #IMPLIED
       PADDING CDATA #IMPLIED
       ALIGN (LEFT | RIGHT | CENTER | left | right | center) #IMPLIED
       TEXT ALIGN H CDATA #IMPLIED
       TEXT ALIGN V CDATA #IMPLIED
       COL SPAN CDATA #IMPLIED
       ROW SPAN CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST CYCLE
       ID CDATA #IMPLIED
       CONDITION TYPE CDATA #IMPLIED
       CONDITION ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "11"
<!ATTLIST DOCUMENT
       ID CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST DOCUMENT HEADER
       ID CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST DOCUMENT FOOTER
       ID CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST PAGE HEADER
       ID CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
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       ID CDATA #IMPLIED
       ORIENTATION (PORTRAIT | LANDSCAPE | portrait | landscape) #IMPLIED
       MARGINS CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST PAGE FOOTER
       ID CDATA #IMPLIED
       PAGE N CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST PAGE FOOTER
       ID CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST INIT DB CONNECTION
       ID CDATA #IMPLIED
       DB USER CDATA #IMPLIED
       DB PASSWORD CDATA #IMPLIED
       DB_DRIVER CDATA #IMPLIED
       DB URL CDATA #IMPLIED
       SYSATTR CDATA #FIXED "21"
<!ATTLIST INIT
       ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST TABLE
      ID CDATA #IMPLIED
       COL CDATA #IMPLIED
       ROW CDATA #IMPLIED
       COLLS DIMENTION CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST TABLE ROW
       ID CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST TABLE CELL
       ID CDATA #IMPLIED
       FORMAT CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST BEAN
       ID CDATA #IMPLIED
       TYPE CDATA #IMPLIED
       CLASS CDATA #IMPLIED
       SCOPE CDATA #IMPLIED
       SYSATTR CDATA #FIXED "30"
<!ATTLIST OBJECT JAVA
       ID CDATA #IMPLIED
       TYPE CDATA #IMPLIED
       CLASS CDATA #IMPLIED
       SOURCE CDATA #IMPLIED
       METHOD CDATA #IMPLIED
       SYSATTR CDATA #FIXED "30"
<!ATTLIST BLOCK
       ID CDATA #IMPLIED
```



```
STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST USEBEAN
       ID CDATA #IMPLIED
       METHOD CDATA #IMPLIED
       PARAMETERS CDATA #IMPLIED
       SET CDATA #IMPLIED
       SYSATTR CDATA #FIXED "31"
<!ATTLIST BARCODE
       ID CDATA #IMPLIED
       BARCODE TYPE (CODABAR | 39 | 39 EXTENDED | 128 | 128 UCC | 128 RAW | EAN8 | EAN13
| INTERLEAVED | POSTNET | PLANET) #IMPLIED
       BARCODE HEIGHT CDATA #IMPLIED
       CODE CDATA #IMPLIED
       TEXT ALIGN H (LEFT | RIGHT | CENTER | left | right | center) #IMPLIED
       TEXT ALIGN V CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST CHART
       ID CDATA #IMPLIED
       CHART_TYPE CDATA #IMPLIED
       CHART DATA X CDATA #IMPLIED
       FORMAT CHART INPUT DATA CDATA #IMPLIED
       CHART_DATA_Y CDATA #IMPLIED
       CHART DATA Z CDATA #IMPLIED
       \overline{\text{FORMAT}} \ \text{SCALE} \ \text{XYZ} \ \text{CDATA} \ \# \text{IMPLIED}
       SHOW SCALE XYZ CDATA #IMPLIED
       GR SCALE XYZ CDATA #IMPLIED
       FONT SCALE XYZ CDATA #IMPLIED
       FONT SCALE SIZE XYZ CDATA #IMPLIED
       FONT SCALE COLOR XYZ CDATA #IMPLIED
       LABEL TOP CDATA #IMPLIED
       GR LABEL XYZ CDATA #IMPLIED
       ALIGN LABEL TOP (LEFT | RIGHT | CENTER | left | right | center) #IMPLIED
       FONT_LABEL_TOP (Courier | Courier-Bold | Courier-Oblique | Courier-BoldOblique |
Helvetica | Helvetica-Oblique | Helvetica-Bold | Helvetica-BoldOblique | Symbol | Times-
Roman | Times-Bold | Times-Italic | Times-BoldItalic | ZapfDingbats) #IMPLIED
       FONT LABEL SIZE TOP CDATA #IMPLIED
       FONT LABEL COLOR TOP (BLACK | BLUE | CYAN | DARKGRAY | GRAY | GREEN | LIGHTGRAY |
MAGENTA | ORANGE | PINK | RED | WHITE | YELLOW | black | blue | cyan | darkGray | gray |
green | lightGray | magenta | orange | pink | red | white | yellow) #IMPLIED
       LABEL X CDATA #IMPLIED
       LABEL Y CDATA #IMPLIED
       LABEL Z CDATA #IMPLIED
       ALIGN_LABEL XYZ CDATA #IMPLIED
       MAXELEMENT LABEL XYZ CDATA #IMPLIED
       FONT LABEL XYZ CDATA #IMPLIED
       FONT LABEL SIZE XYZ CDATA #IMPLIED
       FONT_LABEL_COLOR_XYZ CDATA #IMPLIED
       BACKGRAUND COLOR (BLACK | BLUE | CYAN | DARKGRAY | GRAY | GREEN | LIGHTGRAY |
MAGENTA | ORANGE | PINK | RED | WHITE | YELLOW | black | blue | cyan | darkGray | gray |
green | lightGray | magenta | orange | pink | red | white | yellow) #IMPLIED
       ELEMENT COLOR 3D CDATA #IMPLIED
       DIMENTION H CDATA #IMPLIED
       DIMENTION V CDATA #IMPLIED
       BORDER CDATA #IMPLIED
       PADDING CDATA #IMPLIED
       ALIGN (LEFT | RIGHT | CENTER | left | right | center) #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST TEXT
       ID CDATA #IMPLIED
       ISTEMPLATED (TRUE | FALSE | true | false) #IMPLIED
       STYLE_ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST IMAGE
       TD CDATA #IMPLIED
       IMAGE SOURCE CDATA #IMPLIED
```



```
IMAGE LINK CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST TEXT
       ID CDATA #IMPLIED
       ABSOLUTE X CDATA #IMPLIED
       ABSOLUTE Y CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST LINK
       ID CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST GOTO
       ID CDATA #IMPLIED
       REFERENCE CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST GOTO_DESTINATION
       ID CDATA #IMPLIED
       ID REFERENCE CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST INCLUDE
       ID CDATA #IMPLIED
       LINK CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
>
<!ATTLIST PHRASE
       ID CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST PARAGRAPH
       ID CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "01"
<!ATTLIST CONDITION FOR
       ID CDATA #IMPLIED
       FOR FIRSTCOUNTER CDATA #IMPLIED
       FOR LASTCOUNTER CDATA #IMPLIED
       FOR STEPCOUNTER CDATA #IMPLIED
       SYSATTR CDATA #FIXED "11"
<!ATTLIST CONDITION QUERY
       ID CDATA #IMPLIED
       Q INIT CDATA #IMPLIED
       Q_QUERY CDATA #IMPLIED
       Q MAX ELEMENT CDATA #IMPLIED
       SYSATTR CDATA #FIXED "11"
<!ATTLIST CONDITION IF
       ID CDATA #IMPLIED
       CONDITION CDATA #IMPLIED
       SYSATTR CDATA #FIXED "11"
<!ATTLIST ACTION
       ID CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST ACTION GOPAGE
       ID CDATA #IMPLIED
       ST PAGE (FIRSTPAGE | PREVPAGE | NEXTPAGE | LASTPAGE | firstpage | lastpage |
nextpage | lastpage) #IMPLIED
```



```
N PAGE CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST ACTION_APPLICATION
       ID CDATA #IMPLIED
       APPLICATION CDATA #IMPLIED
       PARAMETERS CDATA #IMPLIED
       OPERATION CDATA #IMPLIED
       DEFAULTDIR CDATA #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST ACTION JAVASCRIPT
       ID CDATA #IMPLIED
       JAVASCRIPT CDATA #IMPLIED
       UNICODE (TRUE | FALSE | true | false) #IMPLIED
       STYLE ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
<!ATTLIST ACTION_FILE
       ID CDATA #IMPLIED
       TYPE (FILE | URL | file | url) #IMPLIED
       PARAMETER1 CDATA #IMPLIED
       PARAMETER2 CDATA #IMPLIED
       STYLE_ID CDATA #IMPLIED
       SYSATTR CDATA #FIXED "00"
```

