Design and build accessible PDF tables

Sample tables

Table 1

Column header (TH)	Column header (TH)	Column header (TH)
Row header (TH)	Data cell (TD)	Data cell (TD)
Row header(TH)	Data cell (TD)	Data cell (TD)

Table 2: example of footnotes referenced from within a table

Expenditure by function £ million		2009/10	2010/11[1]
Policy functions	**Financial**	22.5	30.57
	Information [2]	10.2	14.8
	Contingency	2.6	1.2
Remunerated functions	**Agency services**[3]	44.7	35.91
	Payments	22.41	19.88
	Banking	22.90	44.23
	Other	12.69	10.32

(1) Provisional total as of publication date.
(2) Costs associated with on-going information programmes.
(3) From the management accounts, net of recoveries, including interest charges.

Table 3: "film credits" style layout

Main character	Daniel Radcliffe
Sidekick 1	Rupert Grint
Sidekick 2	Emma Watson
Lovable ogre	Robbie Coltrane
Professor	Maggie Smith
Headmaster	Richard Harris

Table 4: table 3 with column headers added

Role	Actor
Main character	Daniel Radcliffe
Sidekick 1	Rupert Grint
Sidekick 2	Emma Watson
Lovable ogre	Robbie Coltrane
Professor	Maggie Smith
Headmaster	Richard Harris

Table 5: year-end financial statement (£, thousands)

	2010	2009	2008
Non-current assets			
Property	345	445	222
Investment	567	654	423
Intangibles	423	123	453
Current assets			
Trade and other receivables	435	634	231
Cash and cash equivalents	524	123	482
Other	223	211	254

Table 6: a table with a more serious headings problem

Rainfall (inches)	Americas	Asia	Europe	Africa
2010				
Average	104	201	193	144
24 hour high	15	26	27	18
12 hour high	9	10	11	12
2009				
Average	133	244	155	166
24 hour high	27	28	29	20
12 hour high	11	12	13	16

Table 7: year-end statement, non-current assets (£, thousands)

Non-current assets	2010	2009	2008
Property	345	445	222
Investment	567	654	423
Intangibles	423	123	453

Table 8: year-end statement, current assets (£, thousands)

Current assets	2010	2009	2008
Trade and other receivables	435	634	231
Cash and cash equivalents	524	123	482
Other	223	211	254

Table 9: rainfall by continent, 2009

Rainfall (inches)	Americas	Asia	Europe	Africa
Average	133	244	155	166
24 hour high	27	28	29	20
12 hour high	11	12	13	16

Table 10: self-contained year-end statement (£, thousands) (multiple layout problems)

	2011		2010 restated	
General income		250,000		200,000
Increase in value, WIP		15,000		30,000
		265,000		**230,000**
Administrative costs				
Staff costs	(200,000)		(150,000)	
Early departures	(10,000)		(20,000)	
Other	(25,000)		(10,000)	
Depreciation	(10,000)		(10,000)	
Programme costs				
Impairment loss	(10,000)		(5,000)	
Other	(5,000)		(5,000)	
	(260,000)		**(200,000)**	
Surplus		**5,000**		**30,000**

Table 11: self-contained year-end statement (£, thousands) (multiple problems resolved)

		2011	2010 restated
Income	**General income**	250,000	200,000
	Increase in value	15,000	30,000
	TotalTotalTotalincome	**265,000**	**230,000**
Administrative costs	**Staff costs**	(200,000)	(150,000)
	Early departures	(10,000)	(20,000)
	Other operating costs	(25,000)	(10,000)
	Depreciation	(10,000)	(10,000)
Programme costs	**Impairment loss**	(10,000)	(5,000)
	Other	(5,000)	(5,000)
	Total costsTotal costsTotal	**(260,000)**	**(200,000)**
	Surplus	**5,000**	**30,000**

Table 12: merged data cells are not recommended

	2008		2009	
Name	**Yes**	**No**	**Yes**	**No**
Bob	2	5	6	7
Sue	3	8	4	7
Sam	[data relating to both columns in a single cell spanning both]		[data relating to both columns in a single cell spanning both]	

Table 13: use of graphic symbols

Question	Respondent A	Respondent B	Respondent C
Are you a UK citizen?	☒	✓	☒
Are you currently employed?	✓	☒	✓
Do you have a driving licence?	☒	☒	✓

Table 14: symbols replaced by real text

Question	Respondent A	Respondent B	Respondent C
Are you a UK citizen?	No	Yes	No
Are you currently employed?	Yes	No	Yes
Do you have a driving licence?	No	No	Yes

Table 15: courses offered by Institution X. A = Bachelor of Science, B = Bachelor of Arts, C = Masters, D = Doctorate, E = Diploma

	2006	2007	2008	2009
Economics	A, B	A, C	A, B	A, C
International relations	A, E	A, E	A, B	A, E
Philosophy	A	A	A	A, D
Politics	A, D	A, D	A, D	A
Mathematics	B, C	B	A, E	A, B
English	A, C	A, B	A,B	C

Table 16: Masters courses offered by Institution X

	2006	2007	2008	2009
Economics	No	Yes	Yes	Yes
International relations	No	No	No	No
Philosophy	No	No	No	No
Politics	No	No	No	No
Mathematics	Yes	No	No	No
English	Yes	Yes	Yes	Yes

Table 17: accounts, 2011 (£, thousands)

Accounting item		**2011**
Income	**General income**	200,000
	Increase in value, WIP	30,000
	Income subtotal	**230,000**
Administrative costs	**Staff**	150,000
	Early departures	20,000
	Other operating costs	10,000
	Depreciation	10,000
Programme costs	**Impairment loss**	10,000
	Costs subtotal	**200,000**
	Balance	**30,000**

Table 18: accounts, 2011 (£, thousands)

Accounting item		**2011**
Income	**General income**	200,000
	Increase in value, WIP	30,000
	Income subtotal	**230,000**
Administrative costs	**Staff**	(150,000)
	Early departures	(20,000)
	Other operating costs	(10,000)
	Depreciation	(10,000)
Programme costs	**Impairment loss**	(10,000)
	Costs subtotal	**(200,000)**
	Balance	**30,000**

Table 19: Human Development Index (HDI) trends, 1980 to 2010. Source: Barro-Lee March, 2010

Country	1980	1990	2000	2010
Afghanistan	0.78	1.48	2.16	3.33
Albania	8.89	9.67	9.89	10.38
Algeria	4.74	3.33	5.50	7.24
Andorra	4.98	5.63	9.09	10.35
Angola	-	-	4.42	4.42

Table 20: footnotes referenced from within a table

Expenditure by function £million		2009/10	2010/11[1]
Policy functions	Financial	22.5	30.57
	Information[2]	10.2	14.8
	Contingency	2.6	1.2
Remunerated functions	Agency services[3]	44.7	35.91
	Payments	22.41	19.88
	Banking	22.90	44.23
	Other	12.69	10.32

(1) Provisional total as of publication date.
(2) Costs associated with on-going information programmes.
(3) From the management accounts, net of recoveries and including interest charges

Table 21: footnotes replaced by additional table summary text

Expenditure by function £million		2009/10	2010/11
Policy functions	**Financial**	22.5	30.57
	Information	10.2	14.8
	Contingency	2.6	1.2
Remunerated functions	**Agency services**	44.7	35.91
	Payments	22.41	19.88
	Banking	22.90	44.23
	Other	12.69	10.32

Table 22: referencing multiple endnotes from within a table

Expenditure £m	Notes (Notes located on page [n])	2010	2011
Information	1	10.2	14.8
Contingency		2.6	1.2
Payments	3	22.41	19.88
Banking services	4	22.90	44.23
Interest		0.23	0.10
Dividends	23	2.5	3.68
Other	9	12.69	10.32

Table 23: simulated table created using tabs and containing no structure

	2008		2009	
Name	**Entered**	**Completed**	**Entered**	**Completed**
Bob	22	21	20	19
Sue	44	12	12	10

Table 24: year-end financial statement (£, thousands)

	2010	2009	2008
Non-current assets			
Buildings	345	445	222
Investment	567	654	423
Intangibles	423	123	453
Current assets			
Trade	435	634	231
Cash	524	123	482
Other	223	211	254
Current liabilities			
Trade liabilities	154	125	421
Financial debt	231	474	572
Provisions	111	312	347

Table 25: setting column and row scope via the tags panel

	2008		2009	
Name	**Entered**	**Won**	**Entered**	**Won**
Bob	22	21	20	19
Sue	44	12	12	10
Sam	16	4	45	30

Table 26: courses offered by Institution X. A = Bachelor of Science, B = Bachelor of Arts, C = Masters, D = Doctorate, E = Diploma

	2006	2007	2008	2009
Economics	A, B	A, C	A, C	A, C
International relations	A, E	A, E	A, B	A, B
Philosophy	A	A	A	A
Politics	A, D	A, D	A, B	A
Mathematics	B, C	B	A, B	A, B
English	A, C	A, B	A,B	A, C

Table 27: "table" with columns simulated by using tab stops

Name	Apples	Pears
Bob Scott	20	25
Susan. P. Arnold-Jones, BA, FRSA, MD	24	15
Sam Holder-Dickinson	14	10

Table 28: year-end financial table (£, thousands) – headings problem revisited

	2010	2009	2008
Non-current assets			
Buildings	345	445	222
Investment	567	654	423
Intangibles	423	123	453
Current assets			
Trade	435	634	231
Cash	524	123	482
Other	223	211	254
Current liabilities			
Trade liabilities	154	125	421
Financial debt	231	474	572
Provisions	111	312	347

Table 29: multiple headers attributes for each data cell

	South America	Asia	Africa	Australia
2010				
Highest average	523.6	467.4	405.0	340.5
Highest in 24 hours	73.1	54.1	27.2	66.3
Highest in 12 hours	42.4	30.1	15.9	40.3
2009				
Highest average	487.7	453.6	398.7	356
Highest in 24 hours	67.2	53.2	44.3	53.8
Highest in 12 hours	34.7	34.1	29.8	31.0
2008				
Highest average	496.7	444.3	502.1	399.6
Highest in 24 hours	44.2	56.7	32.1	63.2
Highest in 12 hours	30.1	32.7	21.9	40.2