PROPOSAL FOR REVISION (PFR) OF WIPO STANDARD ST.36

1. Identifier: PFR ST.36/2009/001

2. Procedure for handling the PFR: Fast-Track Procedure by the ST.36 Task Force

3. Submitted by: EPO/JPO/USPTO

4. Submitted on: February 2, 2009

5. Subject of the PFR

Modify the elements math and chemistry to add the new sub-element formula-text

6. WIPO Standards & Items impacted

- WIPO Standard ST.36
    - Annex A : Model DTD (xx-patent-document.dtd)
    - Annex C : International Comment Elements (ICEs)

- Annex F of PCT Administrative Instructions
    - application-body.dtd, table-external.dtd, search-report.dtd, iprp.dtd, amendment-request.dtd, wo-published-application.dtd

7. Reasons for Presenting the PFR

The sub-element formula-text allows the data entry of very simple formulae without the verbosity of full mark up of maths and when available for chemistry. This modification has been agreed on at Trilateral-Office level.

8. Detailed Description of the PFR

```
Change from
<!--
MATHEMATICS
This is image data or coded according to mathml, version 2
Recommended id = math0001, math0002, etc.
-->
```

```
<!ELEMENT maths (img | (math,img?)) >
to
<!ELEMENT maths (img | formula-text | (math,img?)) >
```

Change from
```
<!--
Chemistry
Chemical formulae, ring structures, Markush structures, etc.
For now treat as image data.
Depending on industry support we may use, e.g., chemML, CML
later
Recommended id = chem0001, chem0002, etc
-->
<!ELEMENT chemistry (img | (chem,img?)) >
to
<!ELEMENT chemistry (img | formula-text | (chem,img?)) >
```

Add:
```
<!--
This is for a simple mathematical or chemical formulae.
-->
<!ELEMENT formula-text (#PCDATA | b | i | u | o | sup | sub |
smallcaps)* >
```

9. Appendix

- Appendix 1: [Proposed Modifications to the ST.36 ICEs](#)

Proposed Modifications to the ST.36 ICEs

Element Name	Description	Uses	Used By	In DTD	INID Code (ST.9)	ST.32	Category	Entry(E) / Revision Date
maths	MATHEMATICS This is image data or coded according to mathml, version 2 Recommended id = math0001, math0002, etc.	img, math, formula-text	p, li, claim-text, dd	application-body, table-external, search-report, iprp, amendment-request, wo-published-application, xx-patent-document			Paragraph	2004-11-11 (E)
chemistry	Chemistry Chemical formulae, ring structures, Markush structures, etc. For now treat as image data. Depending on industry support we may use, e.g., chemML, CML late Recommended id = chem0001, chem0002, etc	img, chem, formula-text	p, li, claim-text, dd	application-body, table-external, search-report, iprp, amendment-request, wo-published-application, xx-patent-document			Chemistry	2004-11-11 (E)
formula-text	This is for a simple mathematical or chemical formulae.	b, i, u, o, sup, sub, smallcaps	maths, chemistry	application-body, table-external, search-report, iprp, amendment-request, wo-published-application, xx-patent-document				