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APOLOGIES

<i>Edwin Broekaert</i>	Umicore	Belgium
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CONCLUSIONS

Preliminary remarks:

- E. Broekaert, C. Braibant, C. Canoo, T. Hird and Z. Hugonin had an informal meeting on 12 June 2009 to prepare today's teleconference.
- E. Broekaert, Chairperson of the PM Refiners Task Force, is currently on holiday but agreed for a teleconference to be held without him in order to present the progress to the rest of the Task Force.
- The slides presented during the teleconference (circulated in advance and also presented through GoToMeeting) are available in Annex 1.

1. Recap on Jeff Levison's work:

- Majority of 46 refinables declared by Consortium Members allocated to four categories sharing a similar physical form (metallic, solid lumps, powder, etc.), source/origin/process (pyro-metallurgy, hydro-metallurgy, etc.) and composition:
 - Category I: Doré
 - Category II: Slags
 - Category III: Slimes and sludges
 - Category IV: Flue dust
- 17 entries still orphans.
- Mission statement confirmed with Christian Canoo, Confidentiality and Non-Disclosure Agreement signed by Christian Canoo and consolidated refinables spreadsheets sent to Christian Canoo for further evaluation.



2. Progress made by Christian Canoo:

- Drafted generic PM flowsheet to locate refinables in the PM refining streams.
- Typical composition versus extreme/exceptional compositions and associated possible classifications/risk management measures compiled for all four categories.
- Proposed homes for orphan refinables within existing four categories + one additional category (Ag electrolyte).
- Companies were expected to be contacted by Christian Canoo in order to provide him with more detailed information on their activities and resulting refinables. Contacts will instead be established by members of the Secretariat, as soon as more defined proposals are prepared.

3. Proposals/further actions:

Table 1. Proposals discussed during the teleconference and associated actions.

	PROPOSAL	ACTION(S)
1.	PM Flowsheet	<p>a. Should be completed to include:</p> <ul style="list-style-type: none"> - stages involving pyro- and hydro-processes along the refining stream, - other non-ferrous mattes that are sources of precious metals (e.g.: Ni matte), and - Os, as an additional product of the PGM refinery. <p>b. Should ideally be expanded so as to be included in a larger and more complete non-ferrous metals flowsheet.</p>
2.	Category I	No specific action, proposal was supported.
3.	Category II	<p>a. Fluxes used to extract precious metals, result in slags and allow to have different melting points - need to make sure physicochemical properties of all slags included in this category are comparable. Although composition may vary, the proposed grouping of slags is supported.</p> <p>b. Process related-risk management measures must be compared to make sure all slags can be handled in the same manner and can bear a similar classification, no matter the process.</p> <p>c. Need to check which Cr species is present in slags.</p> <p>d. Likely to be corrosive due to presence of Cl-.</p> <p>e. Need to see what composition ranges are covered by other consortia having non-ferrous metals slags.</p>
4.	Category III	<p>a. Category III is to be considered as a recycle bin/temporary home for several refinables.</p> <p>b. With the support of Daniela Cholakova, category III will be further divided into subcategories, based on more accurate form, process, composition and classification similarities.</p>
5.	Category IV	No specific action, proposal was supported.
6.	Orphans	<p>a. A fifth category will probably be proposed for the refinables used and resulting from silver electrolysis (Category V "Silver Electrolyte").</p> <p>b. Some of the orphans bear names of mono-constituent substances that should not be declared as complex refinables. The relevant companies need to be contacted to confirm the name and compositional data of these refinables, in order to confirm their UVCB status and their link to this exercise.</p> <p>c. Unless the 80% rule is applied, a min/max purity level should be agreed upon so as to move certain of the orphan refinables to the indicative lists listing the mono-constituent substances of the Consortium instead.</p>
7.	ID Card	a. Format should ideally be based on existing ID Cards (e.g.: Pb and Cu



		Consortia). b. Composition ranges should ideally be presented per element instead of per element families (e.g.: Ag + Au, PGM, etc.).
8.	MSDS	a. Z. Hugonin will circulate a request for Members to submit the MSDS or other documents accompanying their transported isolated intermediates during transport. These will provide a good overview on which protective/risk management measures are already recommended / applied and help the task force to define a grouping and classification strategy.
9.	Overall REACH strategy for PM refinables	a. To be documented by Secretariat - can be based on existing strategies (e.g.: Cu Consortium registration strategy, including matrix for specific classification) and Jeff Levison's rationale. b. Secretariat should contact other consortia to ensure there is no overlap between PM & Re Consortium refinables inventory and other consortia's complex refinables inventories. c. Grouping should mainly be process-based as it is easier to associate a classification and associated risk management measures to a specific step in the refining stream (where personnel protective equipment and other work place measures are already applied) than to a specific composition. However, composition should be considered as well, as it may sometimes trigger different classifications, and hence, different risk management measures as well. It was clarified that the registrants of a same substance can disagree on classification and that hence, a substance can be registered with two different classifications (arguments and decisions should be properly documented). d. Strategy should include recommendations/decisions on speciation analysis, which can be necessary to avoid default classifications. It was however reminded that testing could be time-consuming (identification/preparation of reference sample, test commissioning, performance and reporting, etc.).

4. **Next meeting:** The next meeting will be held on 15 July 2009 (Aluminium room, Metals Conference Centre in Brussels). The objectives of this meeting will be:
- To present, discuss and agree on a REACH strategy and the final categories for the refinables, and
 - To finalise ID cards for each category of refinables so as to proceed with:
 - ✓ Speciation analysis, if needed;
 - ✓ Substance sameness surveys within the concerned pre-SIEFs;
 - ✓ The identification of volunteer Lead Registrants for each category; and
 - ✓ The commissioning of a consultancy firm for the PM Refinables project