Status Update
API Standard 6ACRA

Tim Haeberle
Chief Consulting Engineer – Materials and Processes
Baker Hughes, a GE company

API SC6 Winter Meeting
January 2018
San Antonio, Texas

March 28, 2018
Status Update: Ballot For Addition of UNS N09946

• Special Metals requested UNS N09946 be added to API 6ACRA

• An SR³ for this issue was approved at the API SC6 meeting in February 2016

• Initial ballot issued to API SC6 in November 2016 & passed, but with 3 negative votes

• All 3 negative votes were resolved, but revised text required to resolve BP’s negative

• BP had an issue with 3 strength levels that have some overlap in processing and mechanical properties, and a concern about the potential for a higher strength level being substituted for a lower strength level

• A limited scope re-ballot will was issued to API SC6 on May 12, 2017 and passed

• API 6ACRA Addendum 1 that adds UNS N09946 was issued in September 2017.
Status Update: Acceptance Criteria For New Alloys

- An SR³ was approved in 2016 for the following actions:
  1. Draft & ballot requirements for evaluating whether or not a CRA should be added to API 6ACRA
  2. Review Footnotes to Table 1, and consider deletion of the words, “to suppress formation of deleterious phases”
  3. Consider revising Footnote b to Table 2, so that only water, polymer, or oil quenching is permissible after solution anneal
- Another action was added
  4. Consider revising Charpy re-test requirements to match API 6A

- A small Work Group met in September 2017 and developed proposals for actions 2 and 4

- The small Work Group will most likely meet again in February to finalize the proposed wording for action 1 and 3

- The full Task Group for API 6ACRA will then meet to review these proposals and finalize a letter ballot proposal for SC6.
Status Update: Addition Of UNS N09955

- Foroni Metals requested UNS N09955 be added to API 6ACRA
- An SR³ for this issue was approved at the API SC6 meeting in February 2017
- The alloy is currently being balloted for inclusion in NACE MR0175 / ISO 15156
- This new activity will not start until the action item on the development of an acceptance criteria for new alloys has been completed and UNS N09955 appears in NACE MR0175 / ISO 15156 or a Technical Circular.
Status Update: Addition Of Higher Strength UNS N07718

- Böhler Edelstahl and VDM Metals have jointly been working to get a 150 KSI strength class of UNS N07718 approved for inclusion in NACE MR0175 / ISO 15156.

- The higher strength class is currently being balloted for inclusion in NACE MR0175 / ISO 15156 within the NACE committees.

- Böhler Edelstahl and VDM Metals would like the 150 KSI strength class to be considered for inclusion in API 6ACRA, once the alloy is listed in NACE MR0175 / ISO 15156.

- An SR³ was approved in August 2017 for the review of the 150 KSI strength class of UNS N07718 for inclusion in API 6ACRA.

- This new activity will not start until the action item on the development of an acceptance criteria for new alloys has been completed and the 150 KSI strength class of UNS N07718 appears in NACE MR0175 / ISO 15156 or a Technical Circular.
Thank you.