

HMA CONNECT | #5

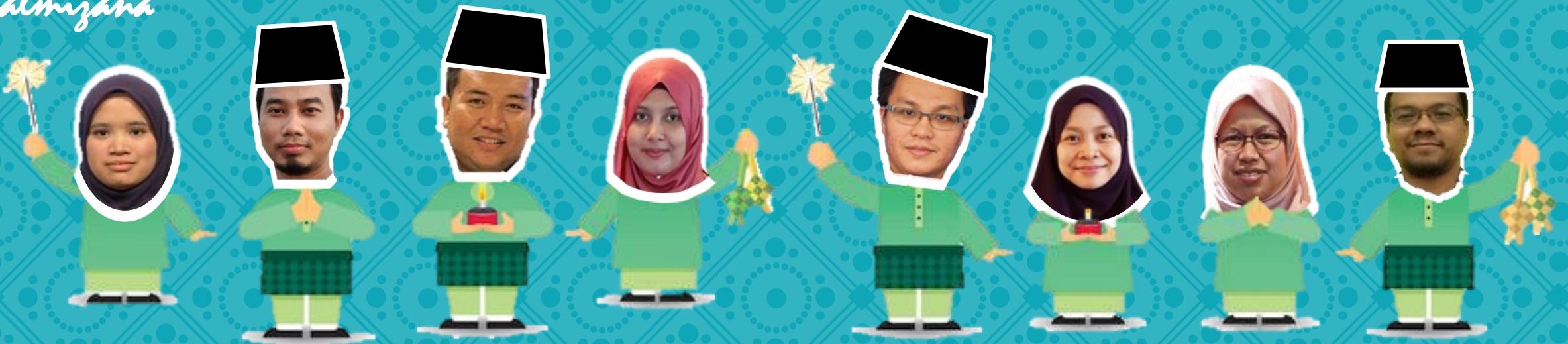
Assalamualaikum wbt and Good Day to all colleagues,

It has been two months since Movement Control Order been implemented in our country. At the same time our industries are facing lower crude price crisis which impacting the supply and demand. Clearly, we must act decisively to face these challenges and forge a way forward, in order to thrive. Given the battered state of the world economy, the recovery stage is expected to be long and gradual. Prudent cash management will be key to our survival in the coming period. To address this, we will be sharing with you the expectations for submission specific for HC measurement and allocation in this newsletter. We hope to see a lot more effort on cost optimization and also opportunity in leveraging in-house capability for coming years.

As the holy month of Ramadhan is coming to an end, we would like to wish our Muslim colleagues, Selamat Hari Raya Aidilfitri, Maaf Zahir & Batin. And not to forget to our colleagues in Borneo, we wish you, Gayu Guru Gerai Nyamai and Kotobian Tadau Tagazo Do Kaamatan.

#StaySafe #StayAtHome #KitaJagaKita

Salmizana

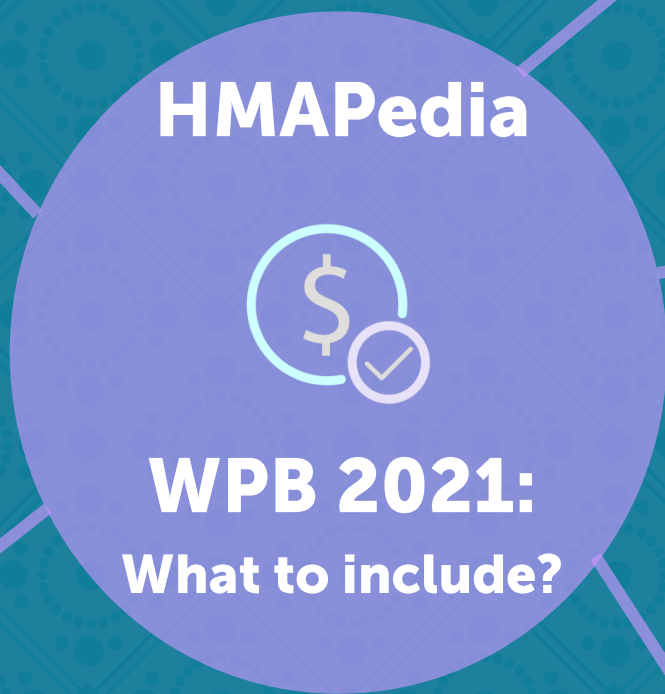


*Selamat Hari Raya,
Kotobian Tadau Tagazo Do Kaamatan
& Gayu Guru Gerai Nyamai*



Assurance Finding Closures
 Ensure gap closure activities on any assurance/audit findings related are registered i.e .HMA Assurance Program, JRI, DDA, IOAIA, ALES, etc.

Fit-for-purpose
 Explore fit-for-purpose design and installation to achieve cost optimization and operation simplification within metering uncertainty requirement

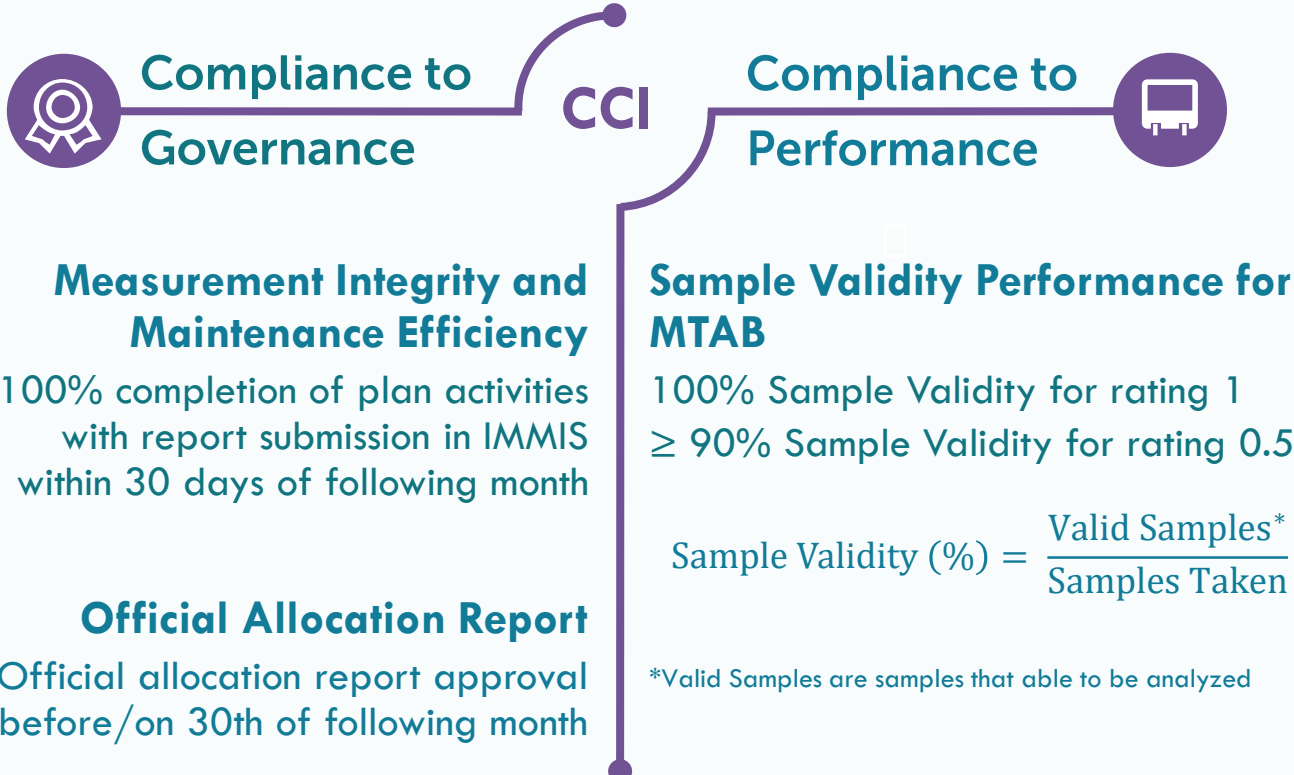


Condition-Based Maintenance (CBM)
 Adopt diagnostic/prognostic technology for Condition-Based Maintenance (CBM) in relations to metering and allocations activities to achieve cost optimization, continuous performance monitoring, quicker decision making and self-regulation.

Digital and Technology
 Adopt and replicate effective Digital and Technology solutions for enhancement of production efficiency, asset integrity and cost optimization focusing on value maximization i.e. HyPAS terminal accounting, metering digital application, etc.

Calibration and Testing Activities
 Include appropriate budget to fulfil witnessing requirement (PACs, MPM and regulatory body) as per stipulated in PPGUA.

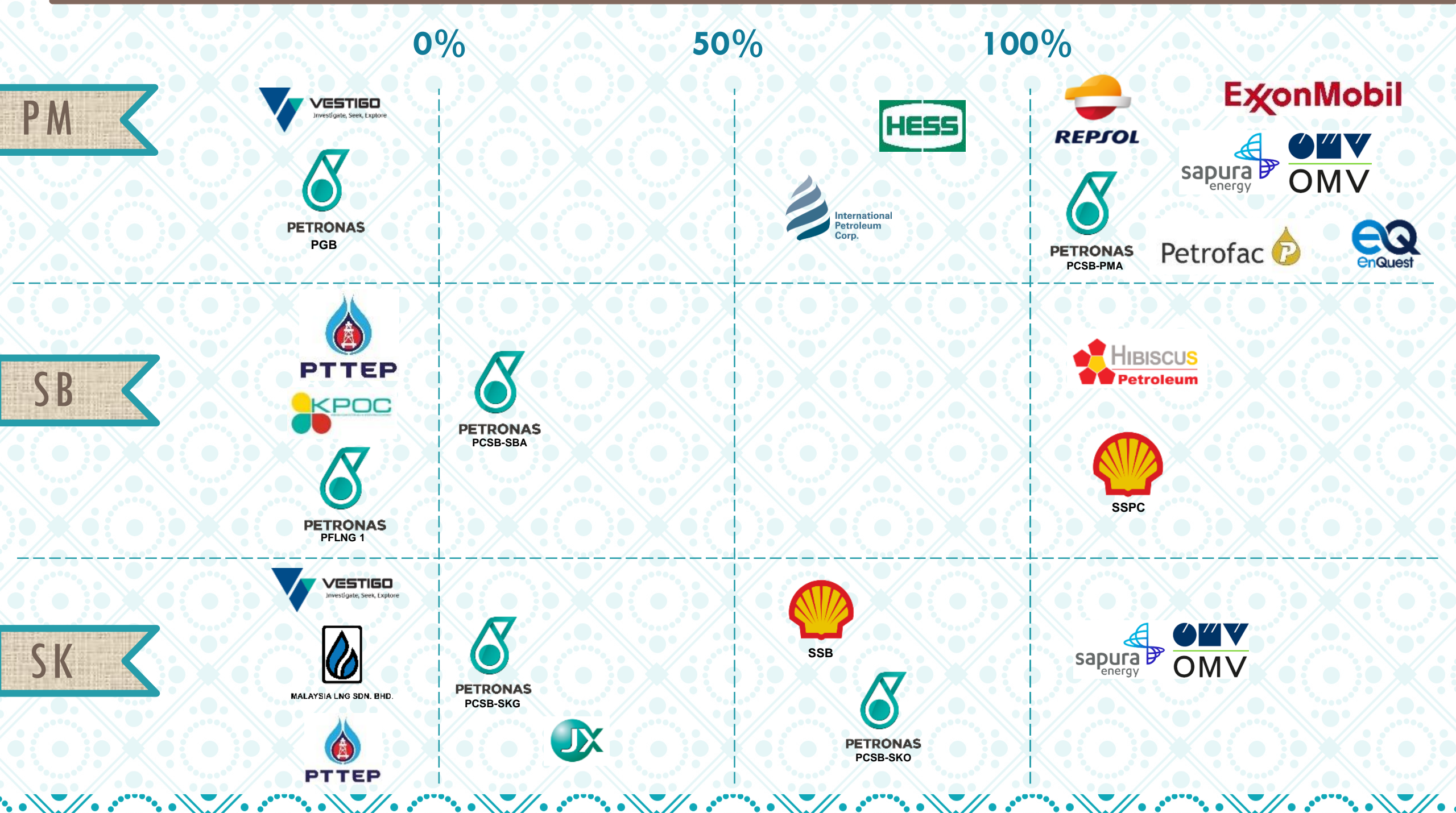
Fun Facts
Contractors' Compliance Index (CCI) is a measurement index of the governance and performance compliances by the PACs operating in Upstream Malaysia. It is an annual exercise conducted in Q1 of the following year and one of the Sub-Components in CCI is *Measurement and Allocation*.



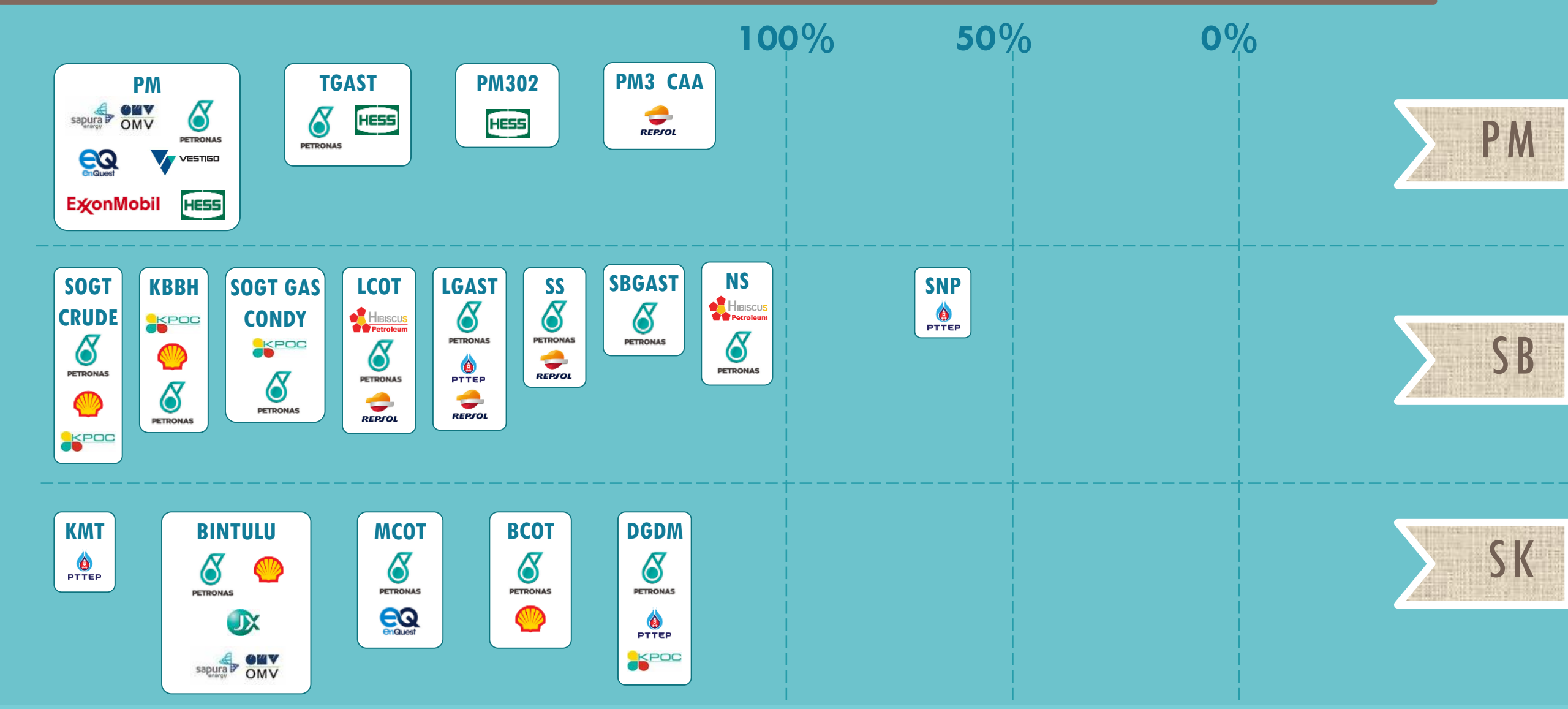
Did you know??
 You can walk down the memory lane to view photos and technical presentations of HMA CoP in web PLATINUM.
<https://platinum.petronas.com/HMACoP>

Should you be facing any issues in accessing the site, feel free to reach out any HMA team members to assist you.

METERING VALIDATION COMPLIANCE | Q1 2020



ALLOCATION CLOSING COMPLIANCE | Q1 2020



Duyong and Resak Condensate Metering System Upgrade FAT (26 Feb – 3 Mar 2020)



The FAT covers the functional tests and calculations for the Coriolis metering system, quality measurement instrumentation and HMI modification.

IRIS User Training and Roll Out for MCOT and BCOT MTAB (14 – 16 Jan 2020)



IRIS has successfully rolled out for MCOT and BCOT Crude MTAB, starting with January 2020 closing. The session was held at PCSB SK Oil office for SK Oil and SSB.

PAC will submit IRs in IRIS and the corrected production figures will be pushed to HyPAS daily input upon approval by MPM HAA.

Virtual IRIS User Training and Roll Out for LGAST and SBGAST MTAB

The user training sessions were conducted virtually to LGAST and SBGAST Customers, PTTEP and PCSB SBA on 20 March, 2 April and 20 April 2020 respectively.

Despite of MCO, IRIS has successfully rolled out for LGAST and SBGAST MTAB, starting with March 2020 closing.

SBGAST HMA Assurance Program (13 – 17 Apr 2020)

PETRONAS successfully conducted a virtual desktop assessment for SBGAST allocation network including five metering systems (RP1, RP2, SBPC, SEC and Condensate Station).

PCSB SBA have given their utmost commitment attending assessors' requests and queries. The virtual execution of this Assurance Program demonstrates Focused Execution for everyone involved.

EC Version 12.2 Demo by TietoEVRY (11 Mar 2020)



MPM HMA organised a demo session for EC12.2 update. The session attended by MPM-HMA, GTD-PD&T, and TietoEVRY and was broadcasted live by Tieto-EVRY in Norway and TietoEVRY Malaysia

representative. The session provides an insight on the update and its features.

Note: In Nov 2019, EC has release an update of EC12.2 version to introduce and integrate all 3 modules (KeyCloak, Yellowfin, ECIS Agent) and will be standard installation post EC12.0 version.

Measurement and Allocation Activities Waiver during MCO

PETRONAS released a letter to waive the requirement for the following activities summarised below:

- Metering validation, meter proving and prover recertification
- Sampling and analysis
- Independent surveyor witnessing for inventory and offtake

PAC is required to ensure all measurement system is available and reliable at all time by monitoring metering system performance via all possible method (e.g. diagnostic tool, historian, etc).