BECKMAN COULTER
Life Sciences

# HIAC PODS+ Reporting Standards Synopsis

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The NEW HIAC PODS+ **now** includes an impressive list of industrial reporting standards. These include the traditional ISO4406, SAE AS4059, NAS 1638, and rest of the usual suspects. Fuel standard GOST 17216-2001 is also included as a standard option. Another fantastic feature is the ability to create a custom reporting standard that can report out to 9 individual customer selectable channels!

## Reporting Standards available within the PODS+

A Reporting Standard is a required element for creating a Sample Recipe in the PODS+ Setup. The primary purpose of selecting a Reporting Standard is for displaying and reporting the test results in a desired or required format after sampling is completed. The following table details what Reporting Standards can be selected based on the Type of Calibration that was performed on the PODS+ instrument.

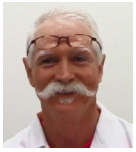
One of the important performance features within the PODS+ is the ability to run a particular fluid sample and then report the results from that sample to a multitude of Reporting Standards. For example: If my Sample Recipe has the Reporting Standard ISO 4406 selected, but I would also like to see the results of that particular sample reported in the SAE AS4059 format as well, then I can simply go to the Home screen, select the **Historical Data** option, then select the **More** option, and then select **Hand icon,** and select **SAE AS4059.** Now the data from your chosen sample is now reported in the SAE AS4059 format. Note – If the original sample is run with the Reporting Standards set to **Counts/ml, Raw Counts,** or **Custom Report** the "Change report standard" feature is disabled.

| | Sample Volume (ml) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Calibration Type | ISO 4406 | NAS 1638 | SAE AS4059 | NAVAIR 01-1A-17 | DEF STAN 91-91 | GOST 17216-2001 | ASTM D7619-12 | Custom Report | Counts/ml | Raw Counts |
| ISO-MTD | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| ISO-11171 | YES | YES | YES | YES | YES | YES | YES | YES | YES | YES |
| ACFTD | NO | YES | NO | YES | NO | NO | NO | YES | YES | YES |
| PSL | NO | NO | NO | NO | NO | NO | NO | YES | YES | YES |

## Reporting Standard Synopsis:

- **ISO 4406 –** Displays cumulative counts per milliliter for the 4 µm(c), 6 µm(c), 10 µm(c), 14 µm(c), 21 µm(c), 25 µm(c), 30 µm, 38 µm, and 70 µm sizes. Reports classification codes per the ISO 4406 standard.
- **NAS 1638 –** Displays differential counts per 100 milliliters for the 5, 15, 25, 50, and 100 µm sizes. These sizes are translated to ISOMTD sizes for ISOMTD calibrated units. Reports classification codes per the NAS 1638 standard.
- **SAE AS4059 –** Displays cumulative counts per 100 milliliters for the 4 µm(c), 6 µm(c), 14 µm(c), 21 µm(c), 38 µm, and 70 µm sizes. Reports classification codes per the SAE AS4059 standard.
- **NAVAIR 01-1A-17 –** Displays differential counts per 100 milliliters for the 5, 10, 25, 50, and 100 µm sizes. These sizes are translated to ISOMTD sizes for ISOMTD calibrated units. Reports classification codes per the NAVAIR 01-1A-17 standard.
- **DEFSTAN 91-91 –** Displays cumulative counts per milliliter for the 4 µm(c), 6 µm(c), 14 µm(c), 21 µm(c), 25 µm(c), and 30 µm sizes. Reports classification codes per the ISO 4406 standard.
- **GOST –** Displays cumulative counts per milliliter for the 4 µm(c), 6 µm(c), and 14 µm(c) sizes. Reports classification codes per the ISO 4406 standard.
- **ASTM D7619-12 –** Displays cumulative counts per milliliter for the 4 µm(c), 6 µm(c), and 14 µm(c) sizes. Reports classification codes per the ISO 4406 standard.
- **Custom Report** allows the users to report count data from 1 to 18 channel sizes within the selected calibration curves dynamic range, report counts in Cumulative or Differential mode, and report counts in Raw Counts or Counts/ml concentration mode.
- **Run Counter (Counts/ml) -** Displays count data for all calibrated channel sizes from the selected sensor calibration in Counts/ml concentration mode.
- **Run Counter (Raw Counts) -** Displays count data for all calibrated channel sizes from the selected sensor calibration in Raw Counts mode.

## Author



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Bill F. Bars is a Sr. Applications Scientist for Beckman Coulter Life Sciences in Grants Pass, Oregon, USA. He has created and developed many of the liquid systems production processes and procedural tools for the BEC Particle products. These products include but are not limited to the following HIAC branded products: 8011+, PODS, GlyCount, 9703+, ROC, and HRLD Sensors. He has worked for Beckman Coulter Life Sciences for 20 years in a multitude of engineering capacities ranging from Metrology to Service Training and Application Support. He is a member of the NFPA U.S. TAG to ISO/TC 131/SC 6 - Contamination control group.

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