What if it is Not Feasible to Conduct a Traditional MSA?

Question Checklist for Measurement Systems:

- **What is the Root Source of data?**
  - Where is the data initially captured? (e.g. Manual Log Sheets, Computer Records, Inspection)
  - Is reporting mandatory or voluntary?
  - Who conducts the measurement / observation?
  - Is the data influenced by external standards / norms?
- **Are procedures clear and consistent?**
  - Are there written & visual procedures for measuring / observing?
  - Can the observers understand and appraise consistently to the procedures
  - Do all appraisers know the procedures? Are any "shortcuts" taken?
- **Are calculations and reporting verified?**
  - Is the reported data filtered (error checked)?
  - Can you verify the correctness of the mathematical equations used?
- **Are the Measurements Accurate?**
  - Is there a specific standard for comparison (e.g. Greenwich Mean Time)
  - Is your system traceable to the standard (e.g. Atomic Clocks vs. wristwatch)?
  - Are there clear definitions of defects, specifications,
  - Any biases? Same bias for all recorders? Same bias for all times of day?
- **Are the Measurements Precise?**
  - Are observers consistent within themselves (repeatability)?
  - Are observers consistent among all observers(reproducibility)?

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