

### **AOAC Method Approval Programs**

## Official Methods of Analysis<sup>SM</sup> (OMA)

- AOAC's premiere methods program
- · Approved methods
  - published in the Official Methods of Analysis of AOAC INTERNATIONAL (print and online)
  - Manuscripts published in the Journal of AOAC INTERNATIONAL
  - First Action and Final Action status

## Performance Tested Methods<sup>SM</sup> (PTM)

- AOAC's method certification program
- Certified methods
  - Commercial/proprietary rapid methods (test kits)
  - Certifications published on AOAC website
  - Manuscripts published in the Journal of AOAC INTERNATIONAL
  - Method developers licensed to use certification mark
  - Annual review & recertification

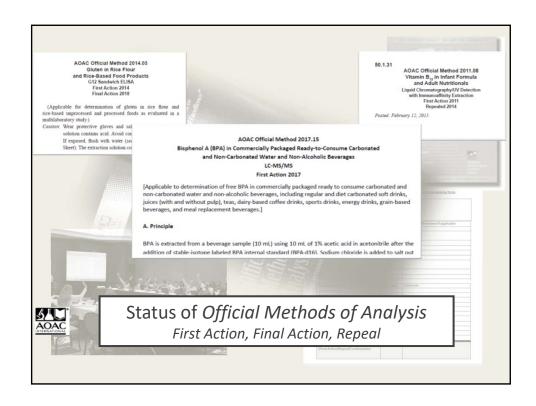
### AOAC Official Methods<sup>SM</sup> Program

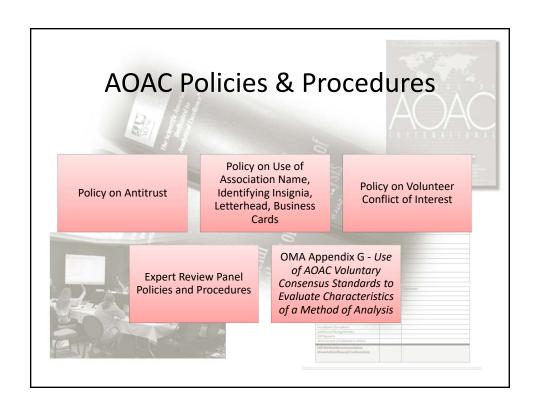
### Submit Methods Responding to issued Call for Methods

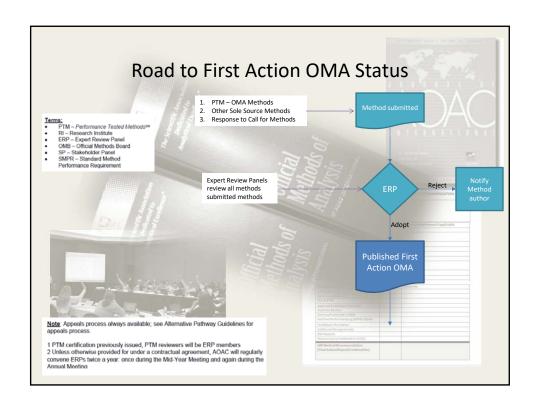
- Adoption of methods as Official Methods is contingent upon standards development activities
- No application fee required to submit methods in response to Call for Methods

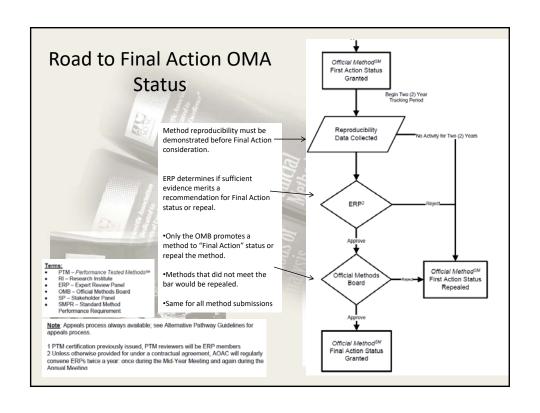
### Submit Individual & Sole Source Methods

- Adoption of methods as Official Methods is contingent upon data supporting applicability and community based validation guidance information
- Including proprietary/commercial methods and harmonized PTM OMA methods
- Application fee required







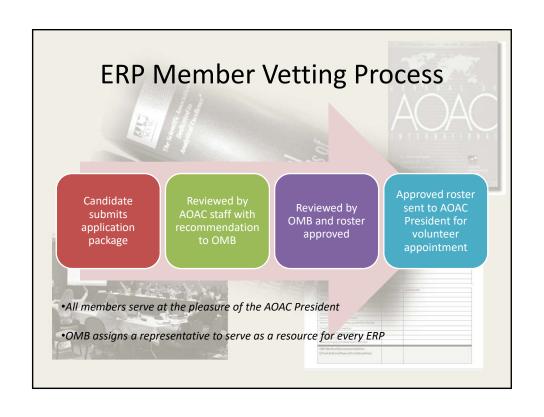


# PTM Overview for PTM-OMA Harmonized Process • Administered by the Research Institute in 2003. • Well established and streamlined • Original approved by consensus with the OAs, OMB, RI Board of Directors and AOAC INTERNATIONAL Board of Directors. • ERP may be formed during Consulting Service. • Criterion for OMA: manufacturer's method claims.

## **Recruiting Experts and Methods**

- AOAC issues
  - Call for Methods (Stakeholder affiliated methods)
  - Call for Experts
- Sole Source/Individual Method Submissions
  - Individually completed Application not associated with an open Call for Methods

# Candidate must meet one of the following: Demonstrated knowledge in the appropriate scientific disciplines. Demonstrated knowledge regarding data relevant to adequate method performance. Demonstrated knowledge of practical application of analytical methods to bona fide diagnostic requirements. Candidate application package includes: Statement of Expertise Current Abridged CV or Resume



### **Candidate Method Assignments**

- A minimum of primary and secondary reviewers may be assigned to every method.
  - In depth review via review form
  - Prepare to attend and speak on the method and make a recommendation for ERP discussion and consideration.
  - Review forms are completed and returned to AOAC staff in advance of the meeting.
- An email is sent with information on how to access the candidate methods and how to submit reviews
- Members of both Committee on Safety and Committee on Statistics serve as advisory resources for all ERPs

### **Candidate Method Reviews**

- In your judgment, does the method sufficiently meet the Standard Method Performance Requirements (SMPR) or community-based guidance?
- In your judgment, is the method scientifically sound and can be followed?
- In your judgment, what are the strengths and weaknesses of the method?
- In your judgment, how do the weaknesses weigh in your recommendation for the method?
- In your judgment, will the method serve well the stakeholder community that will use the method?
- In your judgment, what additional information may be needed to further support the method meeting the SMPR or community-based guidance?
- Members of both Committee on Safety and Committee on Statistics serve as advisory resources for all ERPs

### **ERP Meetings**

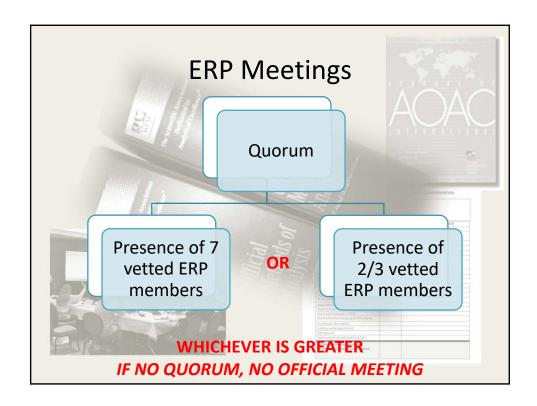
- ERPs can meet in person at a minimum of twice a year and up to four times per year\*:
  - AOAC Mid-Year meeting (DC metro area)
  - AOAC Annual Meeting.
  - \*2 additional designated times for proprietary method Organziational Affiliates
- At the ERP meeting:
  - Reviews will be presented and the reviewers can make a motion to the ERP whether to adopt the method as First Action OMA.
  - ERP discusses the method.
  - ERP renders a decision on First Action status.
  - ERP renders decisions on modifications to Official Methods.

### If the method is adopted

ERP decides on what additional information is needed to recommend the method for Final Action status

### **ERP Teleconferences**

- Only after the initial in-person ERP meeting for First Action consideration of methods
- Possible for some method modifications
- Possible for First Action to Final Action ERP recommendations



### Method Review Overview

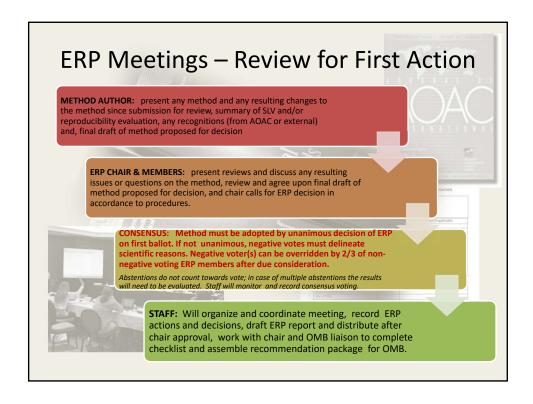
- Method authors may be invited to make a presentation on their method
- REVIEWERS PRESENT THEIR REVIEWS AND MAY INITIATE A MOTION TO ADOPT THE METHOD IF THEY CHOOSE
  - Chair recognizes each reviewer
  - Reviews are presented.
    - If in favor, reviewers may make and second a motion to adopt adopt the method
    - Chair can then entertain discussion on the method
    - Chair can call for a vote once deliberation is complete

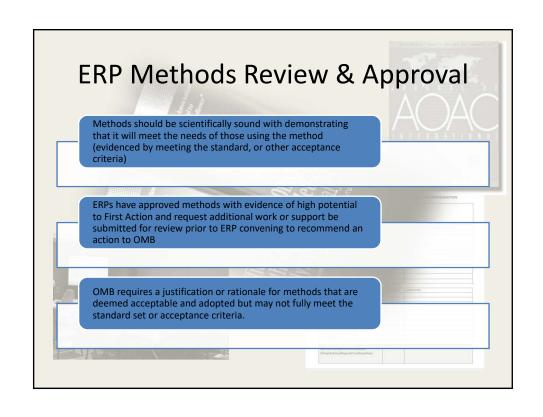
## Consensus – First Action Adoption

- First Action Official Methods status is granted:
- Method must be adopted by unanimous decision of ERP on first ballot, if not unanimous, negative votes must be based on scientific reasons.
- Negative voter(s) can be overridden by 2/3 of voting ERP members after due consideration.
- Method becomes First Action on the date when ERP decision is made.

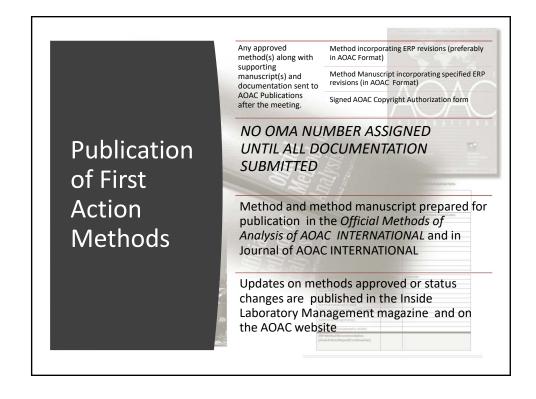
### Consensus – First Action to Final Action

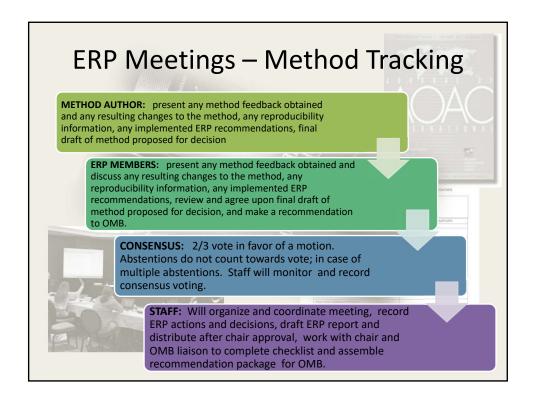
- The ERP may then reach consensus on any additional information that it needs to review to be able to make a recommendation for Final Action Official Methods status.
- This is a separate motion.

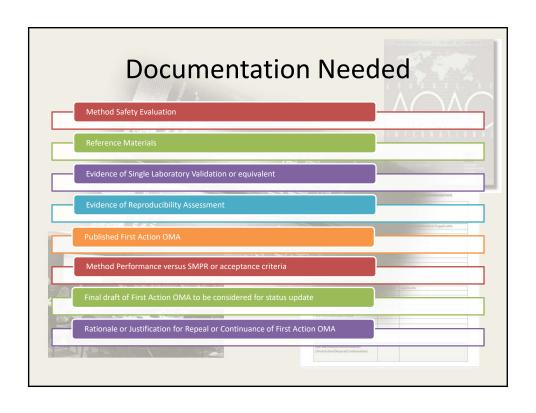


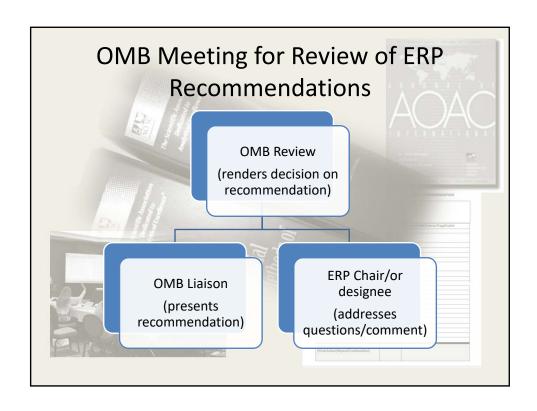


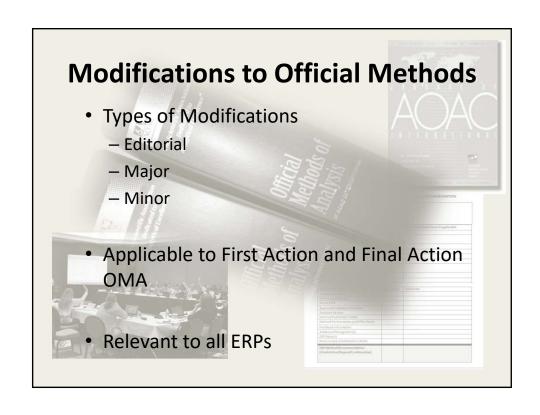
# Safety review needed prior to First Action status SLV type of supporting information available per the SMPR • Applicability, Method Performance Requirements Table, System Suitability, Reference Materials, and Validation Guidance • Documented method performance versus a SMPR • Document reasons for acceptability if method does not meet the SMPR











### **Editorial Modifications**

- The applicant must submit a written explanation of the change(s) including a statement that the modification does not alter the validated performance of the method.
- Examples include: Typos or editorial corrections or clarifications that strengthen instruction.
- Methods that have undergone an editorial modification will retain the same number.

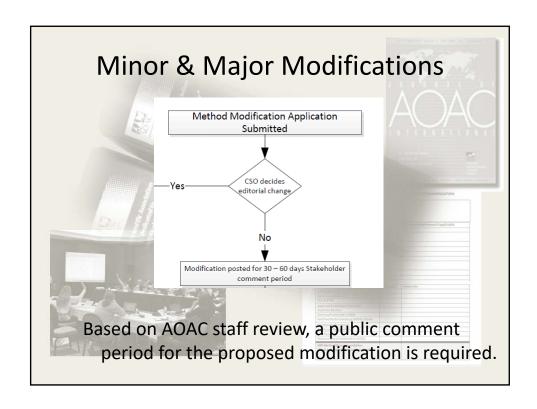
# Publications Publications Publications Yes CSO decides editorial change CSO decides editorial change Publications Publications A list of the methods with editorial modifications will be published in Inside Laboratory Management and on the Website.

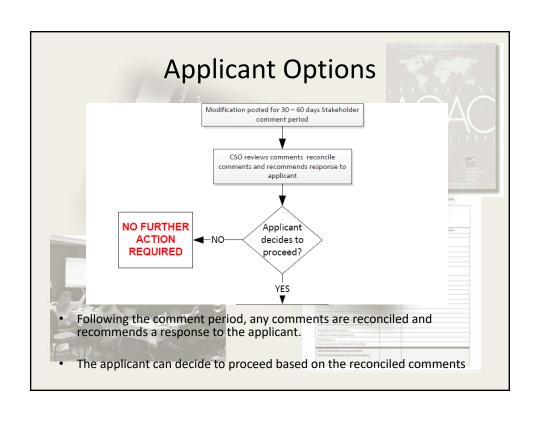
### **Minor Modifications**

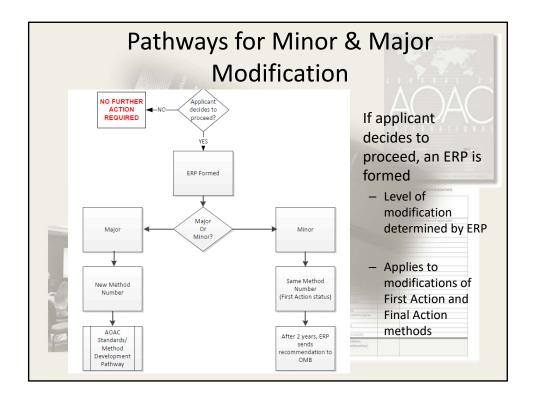
- Results in no changes to the current validated performance. There is no significant effect to the results. The method will retain the original number.
- Supporting data to justify the proposed modification must be submitted. Equivalency data is required unless adequate Justification to exclude this data is provided.
- Examples include: Reagent change, a change in a column or consumables that do not impact the validated method performance.

### **Major Modifications**

- Results in a change to the current validated performance of the method.
- This level of modification will result in a new method as part of AOAC standards development and will receive a new method number.
- Examples include: significant change to the technology, sample preparation, or chemistry.







### **Documentation and Communication**

- AOAC carefully documents the actions of Stakeholder Panel, Working Groups, and Expert Review Panels
- · AOAC will prepare summaries of the meetings
  - Communicate summaries to the stakeholders
  - Publish summaries in the Referee section of AOAC's Inside Laboratory Management
- AOAC publishes its voluntary consensus standards and Official Methods
  - Official Methods of Analysis of AOAC INTERNATIONAL
  - Journal of AOAC INTERNATIONAL
- AOAC publishes the status of standards and methods in the Referee section of AOAC's Inside Laboratory Management

### Requirements for ERP Service

- Must have demonstrated expertise in the method, technology, analyte/matrix, etc...
   Be a subject matter expert.
- Must be able to attend ERP meetings
- Must be able to complete assigned reviews on time
- Must be prepared to speak on the method and share reviews during the meeting
- Must be proactive in tracking assigned First Action Official Methods
- Must be able to assist in peer reviewing paper for publication
- Must sign and submit AOAC Volunteer Acceptance Form

### **General Expectations for ERPs**

- You can expect to have a minimum of three weeks to review methods prior to ERP meeting.
  - You are requested to submit written reviews by specified deadline. Please alert staff if you are not able to complete on time.
  - You may have individually assigned methods to review or all of the methods to review. Please be prepared to discuss these methods during meeting.
  - You may use the OMA appendices as guidance for types of validation work that can be expected. If additional information is needed, please ask staff.
- ERP Meeting Quorum
  - If there is no quorum, there is no official meeting. Please alert staff as early as possible if you are not able to attend a meeting.
- ERP Consensus
  - ERP consensus may not reflect your own personal view
    - There may be times when a method may not meet all of the criteria exactly; however, the ERP can adopt the method.

## Ethical Expectations of AOAC Expert Review Panel Members

- Respect for your peer ERP members and chair
  - Each member has been vetted for expertise relevant to the review of the method(s) in the ERP
    - · Be considerate of each others perspectives and points of view
    - Be considerate of the ERP's consensus even if you disagree
  - Inform staff as early as possible if you cannot attend the scheduled ERP meeting
    - Be considerate in that your absence can impact the quorum of the ERP and its ability to have an official meeting to make decisions
  - Notify staff and/or disclose in the ERP meeting if you have a direct or perceived conflict of interest for a specific method
    - Please review AOAC's policy on Volunteer Conflict of Interest

## Ethical Expectations of Expert Review Panel Members (con't)

- Respect for Method Authors and Intellectual Property
  - Each Method Author is encouraged to attend the ERP meeting
  - Each candidate methods (not yet adopted or published as Official Methods of Analysis of AOAC INTERNATIONAL) are still the intellectual property of the method author. Therefore, the information is shared only with the vetted ERP members and is available during the meetings. Please do not distribute the information without expressed written permission from an appropriate AOAC staff liaison.
  - Be clear about and justify how additional recommended work is a requirement for First Action, a requirement for Final Action consideration, or something recommended, but not necessary.
  - Keep your focus on the science

