

National Ambient Air Quality Standards (NAAQS) for Ozone (O₃)

General Background: Second Draft Risk and Exposure Assessments and Policy Assessment

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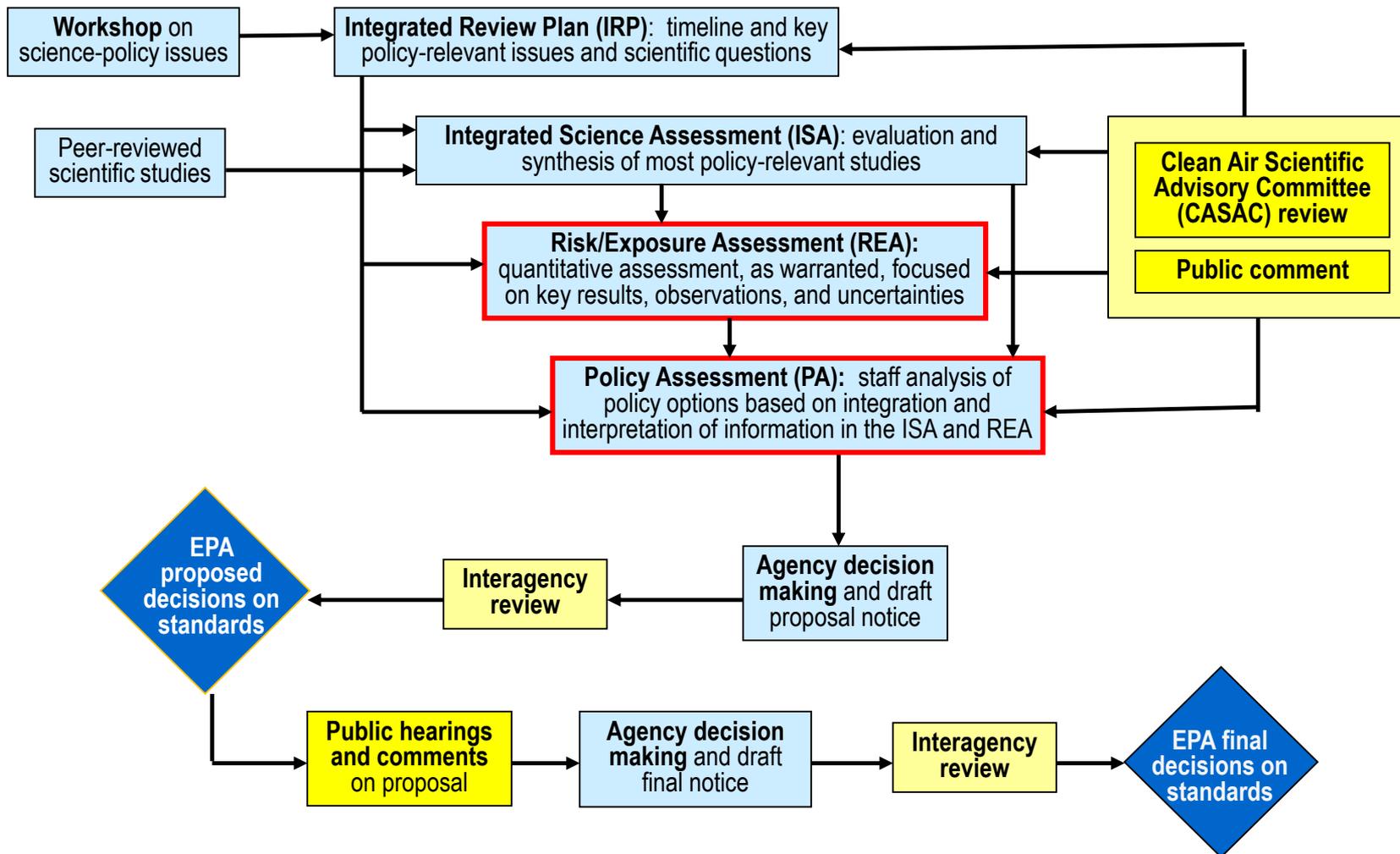


Statutory Requirements

- Sections 108 and 109 of the Clean Air Act govern the establishment, review, and revision (as appropriate) of NAAQS, including:
 - **Primary (health-based) standards** which in the “judgment of the Administrator” are “requisite” to protect public health, including at-risk populations and lifestages, with an “adequate margin of safety”
 - “Requisite” means sufficient but not more than necessary
 - “Adequate margin of safety” – intended to address uncertainties associated with inconclusive evidence, and to provide a reasonable degree of protection against hazards that research has not yet identified
 - **Secondary (welfare-based) standards** which in the “judgment of the Administrator” are “requisite to protect the public welfare from any known or anticipated adverse effects”
 - Welfare effects include “effects on soils, water, crops, vegetation, man-made materials, animals, wildlife, weather, visibility and climate . . .”
- The law requires EPA to review the scientific information and NAAQS for each criteria pollutant every five years, and to obtain advice from the Clean Air Scientific Advisory Committee (CASAC) on each review
 - EPA is required to engage in “reasoned decision making” to translate scientific evidence into standards
 - EPA may not consider cost in setting standards (this has been upheld by the Supreme Court); however, cost is considered in developing control strategies to meet the standards (implementation phase)



NAAQS Review Process





Reviews of Assessment Documents

- September 2012 – CASAC meeting to review 1st drafts of Health REA, Welfare REA and Policy Assessment
- This meeting – 2nd draft REAs and Policy Assessment
 - Expanded and enhanced methodologies
 - Evaluations at alternative standard levels
 - Updated and expanded discussion of the health and welfare evidence and risk/exposure analyses in the PA, including preliminary staff conclusions with regard to current and potential alternative primary and secondary standards
- Staff conclusions in final PA will reflect CASAC review of draft PA and REAs and consideration of public comments
- Additional public comment period between proposal and final rulemakings



Schedule of NAAQS Review

Stage of Review	Completion Dates
Integrated Review Plan – Final	April 2011
Integrated Science Assessment – 2 nd Draft	September 2011
Risk/Exposure Assessments – 1 st Draft	July 2012
Policy Assessment – 1 st Draft	July 2012
Integrated Science Assessment - Final	February 2013
Risk/Exposure Assessments – 2 nd Draft	February 2014
Policy Assessment – 2 nd Draft	February 2014
Final Risk/Exposure and Policy Assessments	Summer 2014
Proposed Rulemaking	January 15, 2015*
Final Rulemaking	November 15, 2015*

* Final dates are subject to a deadline suit. A court hearing is currently scheduled for April 1, 2014.