



**PROJECT INITIATION
NOTIFICATION SYSTEM FORM**

Project Registration Date (dd-mmm-yyyy) completed by EIA:	07FEB06
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Electronic Industries Alliance PINS: (01OCT2004)

1. Project Number Assigned by EIA:	PN-5135	
2. Final Published Document Number Assigned:	To Be Assigned	
3. Title of Final Published Document:	Capacitor Standard for IC Engine Cranking	
4. Project Intent: (Check the applicable box(s) below)		
Create a New Document		Modify Existing Document
EIA Component Bulletin	<input type="checkbox"/>	Revise current published document <input type="checkbox"/>
EIA standard	<input checked="" type="checkbox"/>	Revise and Redesignate current published document <input type="checkbox"/>
Joint Industry Document	<input type="checkbox"/>	Revise, Redesignate and Consolidate current document <input type="checkbox"/>
Create new American National Standard (ANSI)	<input type="checkbox"/>	Revise and Partition current document <input type="checkbox"/>
Conduct Survey	<input type="checkbox"/>	Reaffirm current document <input type="checkbox"/>
Other (Please explain ↓)	<input type="checkbox"/>	Reaffirm and Redesignate current document <input type="checkbox"/>
		Supplement to a current document <input type="checkbox"/>
		Withdraw current document <input type="checkbox"/>
5. Estimated Project Completion Date (mmm yy): ↓		Convert to Historical Document designation <input type="checkbox"/>
Mid 2006		Other (Please explain ↓) <input type="checkbox"/>

6. Description of Contents of Document: (Provide a one paragraph description, not to exceed 500 characters.)

"Capacitor Standard for IC Engine Starting" provides a common rational for developing an engine cranking standard and presents results in the form of a draft standard for capacitors used to crank internal combustion engines. The standard has been developed for a capacitor cranking system and not for individual cells. It is comprised of eight specific parameters, which includes rated voltage, peak power, cranking power, cold cranking power, leakage current, self-discharge time, charging time, and operation designation. Some of these parameters require measurement at reduced or elevated temperatures. This list differs significantly from that used to specify a SLI battery because of fundamental differences between battery and capacitor technologies, particularly with respect to power performance at low temperatures. Capacitors have exceptional power capability--they can run up an engine to a specified rpm level and effect an immediate start under most conditions. Standard parameters should provide system engineers with sufficient information to design and implement a cranking system in many envisioned modes, for instance, engine cranking provided by a capacitor in combination with one or many batteries, or solely by the capacitor itself. Capacitor standards do not require exotic test equipment, are suitable for use with commonly encountered engine types and sizes, and in popular engine operating environments. Furthermore, the standard allows easy determination of whether a capacitor is "good" or "bad" since testing is envisioned in the field and at IC engine maintenance facilities. The standard relates only to performance and physical size or weight, electrical connections, mounting hardware, etc. The standard will need to be accompanied by a "Recommended Practice Guide" that relates capacitor parameters to different engine types, sizes, operating environments, and installation details.

7. Units of Measurement Used: (check applicable boxes →)	<input checked="" type="checkbox"/> Metric	<input type="checkbox"/> US	<input type="checkbox"/> Non-Measurement Sensitive
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8. Formulating Body (Organization, Committee/Subcommittee Title and Acronym):	KFI Stds Cmte
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9. Designated Formulating Group Project Author/Editor/Leader: (Specify name and complete contact information, address, phone, email, etc. If none is indicated, Default Project Point Contact will be Formulating Group Chair as completed in 9. below.)

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10. Formulating Group Chair: (Specify name and complete contact information, address, phone, email, etc.)

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