DRAFT NOTIONAL PHASES OF STANDARDS READINESS

	NOTIONAL STANDARDS READINESS PHASES				
	PRE-STANDARDIZATION		STANDARDS DEVELOPMENT		IMPLEMENTATION
	STANDARDS READINESS PHASES				
	PREMATURE	EXPLORATORY	PLANNING	DEVELOPMENT	IMPLEMENTATION
Standardization Activity	No discussions/interest in standardization	- Identification & evaluation of existing related standards & conformity assessment programs of similar technologies - Benchmarking	- Landscape & gap analysis - Roadmapping - Terminology development - Soliciting stakeholder engagement	- Standards committee(s) formed - Soliciting leadership and stakeholder engagement - Standards drafted, approved & maintained	- Standards approved, maintained & utilized - Conformity assessments - Referenced in law or regulation, as applicable
Information Sharing & Awareness	- Internal prototyping/research has begun - Stakeholders working independently - Consortia/Association discussions not taking place, or do not exist for a particular technology	- Collaborative research takes place - Like-minded stakeholders sharing minimal information - Consortia/Association discussions & evaluation begin	- Research is being strategized - Like-minded stakeholders collaborating & sharing minimal information more broadly - Consortia/Association position/issue papers developed	- Research is ongoing - Balanced representation of stakeholders collaborating - Stakeholders investing resources to draft & vote on standards - Consortia/Association recommendations issued	- Research is ongoing - Balanced representation of stakeholders collaborating & doing business - Stakeholders investing resources to draft & vote on standards - Consortia/Association advocating for standards adoption

0. PREMATURE

At this stage, there are not enough stakeholders or consistency in technology to evaluate design and performance. Additionally, if there is more customization of technology rather stabilized and consistent designs, it is less likely that industry will wish to standardize. At this phase, the sector is looking towards existing standards to evaluate their technology internally and assess where it could fit in the market.

1. EXPLORATORY

Stakeholders have entered the exploratory phase of standards development if they have begun finding synergies with other technology in the marketplace. They know better who to engage with in the supply chain, are using related standards more consistently, and have begun exploring regulatory or compliance considerations. At this stage, more organizations are publicly speaking about their technology development or identifying as a player in the market.

2. PLANNING

The planning stage for standards development begins when industry starts discussing the need to identify existing standards which apply broadly or specifically to their technology. This landscape review will aid stakeholder in the identification of gaps. Terminology becomes increasingly critical at this phase so stakeholders may begin to convene to gain consensus on this front. Lastly, during this phase, industry agrees that standards are needed and begin to engage SDO/SSOs.

3. DEVELOPMENT

During the development phase, a balanced representation of stakeholders exists and engages with one or more SDO/SSOs. This may be done through an existing committee or by forming new committees. Development of one or more standards begins and may be done with or without a strategic plan. The pace of standards development at this phase varies and is dependent upon several factors. This stage will repeat indefinitely as new standards are developed, and existing standards are revised, stabilized, or withdrawn.

4. IMPLEMENTATION

The implementation phase is the phase where standards are effectively used by industry in contracts, certification programs or regulation and policy. Feedback on standards content is directed back to SDO/SSOs and updates are made as needed.

This document was developed to support discussions at two ANSI brainstorming sessions, specifically to provide attendees with common terminology and context about standards readiness phases. These phases should not be considered final and are currently under review. Revisions are anticipated post event. Reviewers are requested to send their feedback to Christine DeJong Bernat.