How do we make sure the result is right?

Specific focus items:

- Cross-community review of ideas with large impact:
  - Do we catch on in time that things are happening?
  - Does anyone read Last Calls anyway?

- Architectural insight:
  - Are we getting the right clues into the IETF process at the right time?
  - Is the IAB helping do that? Can it do better?
**Possible topics with large impact?**

IPv6 (did we get this right? mixed opinions)
IDN (potential danger?)
Instant Messaging (potential danger?)
Middleboxes
QoS (we have router per-hop behaviors, but not end-to-end QoS)
Multicast (we have multicast in routers, but not end-to-end multicast)
AAA/Diameter (did we get this right?)
IPSEC/IKE (did we get this right?)
SIP (largely a success, with further simplification in progress?)
MPLS (we didn’t get this right)
OPES (still in progress)
PPP, DHCP, MIME (we got *something* right here)
Routing (did we get this right?)
- How well has the IETF done on these topics?
  - What about cross-community input?
  - What about architectural input?

- The reason to ask the questions is ultimately to learn from what has and hasn’t worked in the past.
● Have we totally blown anything?

- IDN and Instant messaging have been suggested as things that we might blow in the future.

● Things that we didn’t do that we should have?

● The perception of the average IETFer on how well the IETF has done in terms of getting the result right?
What about the smaller topics? How well have we done?

- PANA.

- Transport: SCTP, CM (Congestion Manager).

- ...

How does one get cross-community review, and architectural input, on these kinds of topics? Is it needed?
The role of the IAB?

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Instant Messaging
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QoS
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OPES
PPP, DHCP, MIME
Routing
Possible mechanisms for cross-community review and for architectural input:

• BOFs and Interim Reviews?

• Problem statements and architectural statements?

• Roadmap Working Groups, for working on the larger picture?

• Panels of reviewers?

• Design reviews during plenary sessions?

• A better understanding, for each topic, of the impact (or lack of impact) on other areas and layers, or on other things within the area? (Some things need cross-community review, and some things just don’t...)