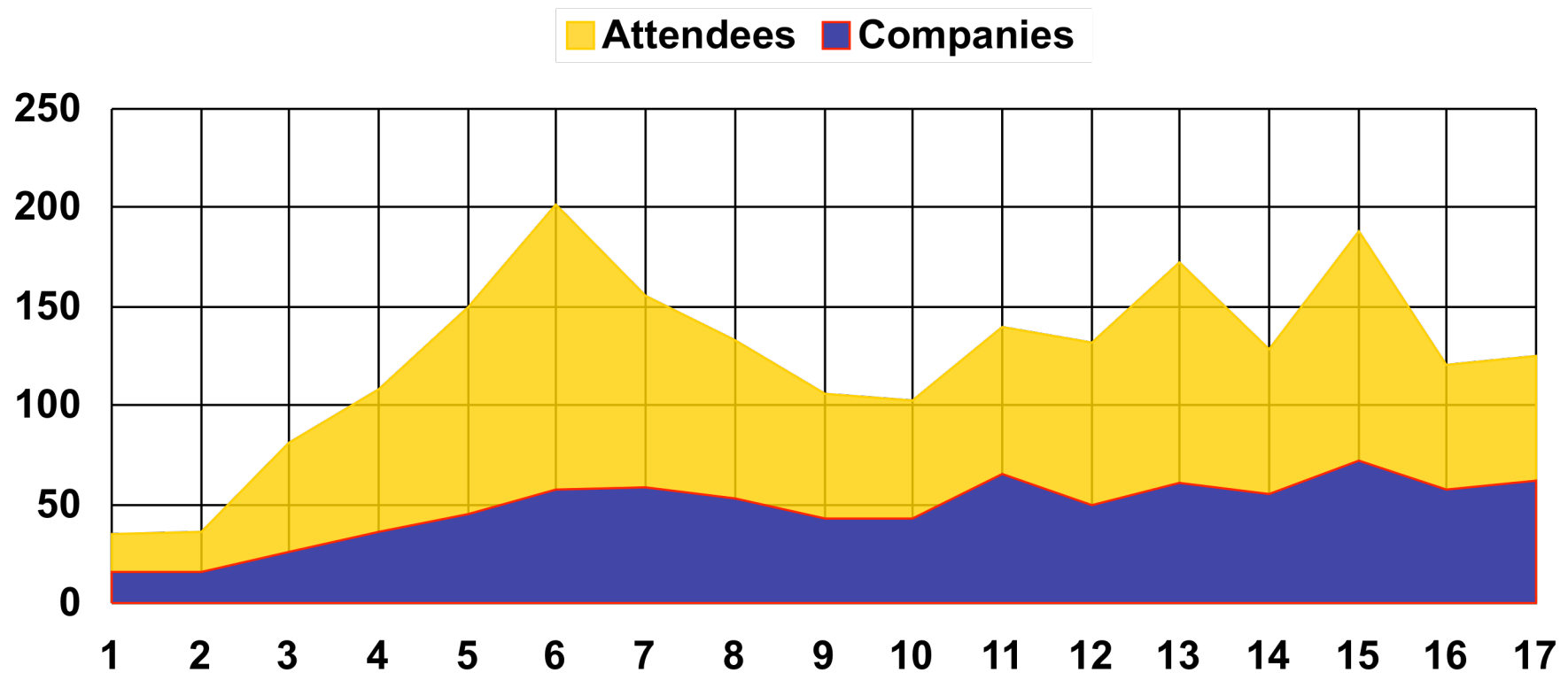


Advancing the SIP Standards -Tracking-

Robert Sparks
Estacado Systems

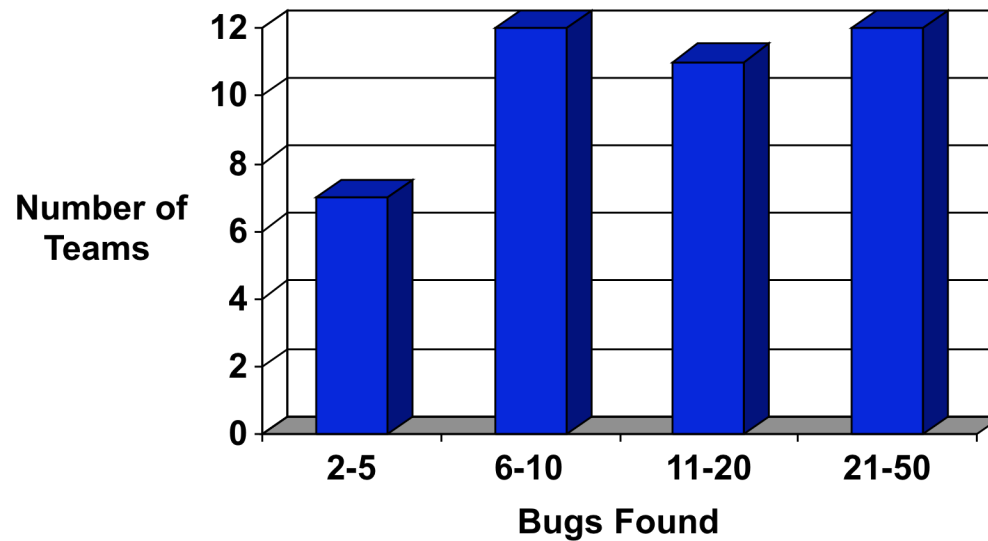
SIPit

- Twice a year - moves between continents
- 100s of implementations



SIPit

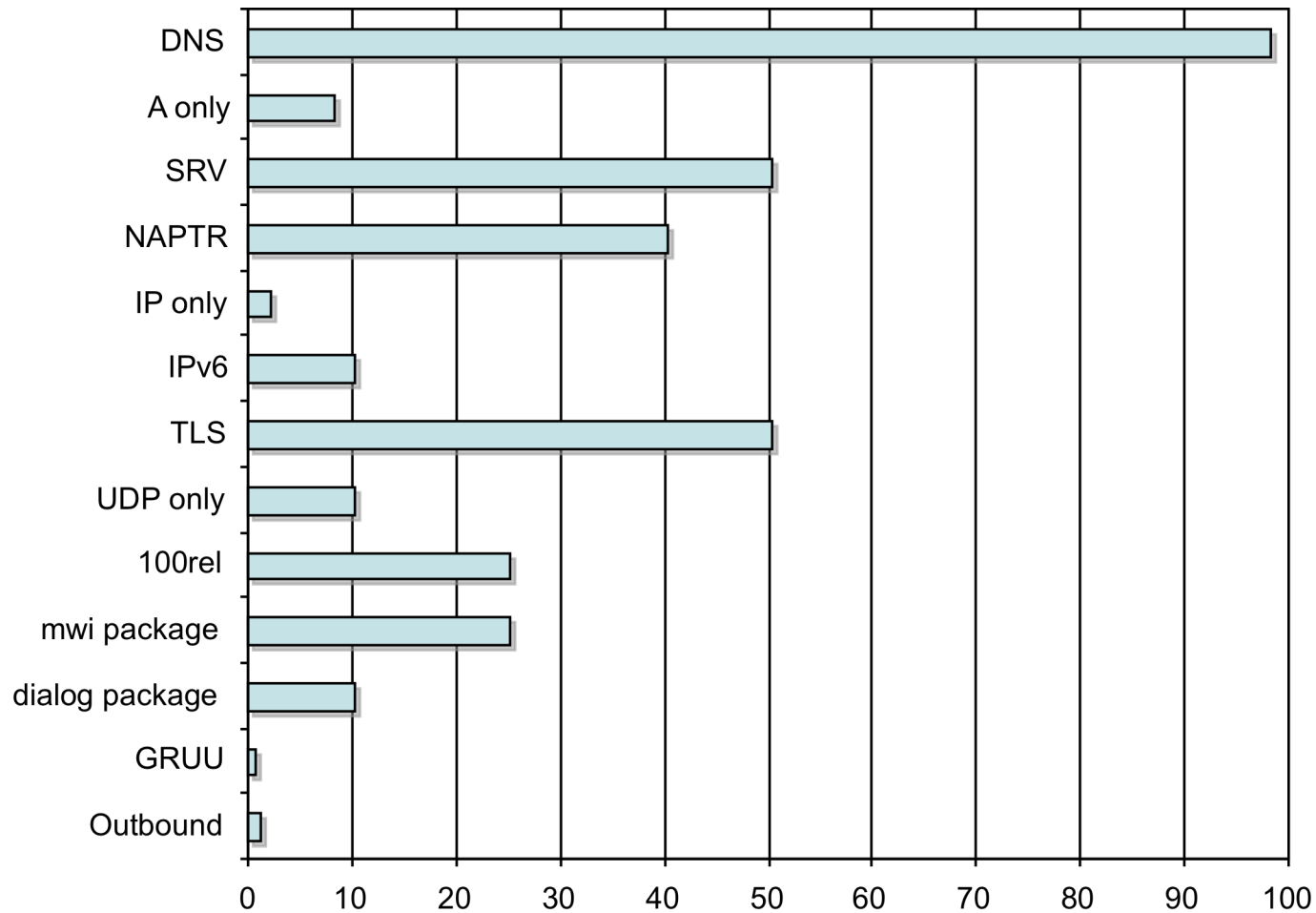
- SIPit 16 statistics
 - 2 major specification bugs
 - A dozen specification clarifications
 - Hundreds of implementation errors



SIPit

- Opportunity to observe
 - What's being implemented
 - What's *not* being implemented
 - What folks are trying that's not working
 - What's being built without standardization
- Opportunity to listen to
 - What implementers find important
 - How the specs are interpreted
 - (when does MUST mean MUST, and why should we ever implement a SHOULD?)

What's getting implemented?



What should we track?

- Send me email with what should be on the SIPit 18 survey
 - GRUU, outbound, connect-reuse
 - TLS, sips
 - Identity, sipping-certs
 - Non-trivial offer-answer
 - More details on use of PRACK

Bug Tracking

- Bugzilla - <http://bugs.sipit.net>
- Heavily utilized during 3261 edits
- Only draft editor can add/modify bugs
- Two different use models
 - Fixing bugs while editing drafts
 - Identifying bugs to fix in future spec updates

	3261	3262	3263	3264	3265	3420	3515
Open Bugs	91	2	4	9	18	1	2

Building interop reports

- **Huge** task - only tractable in increments
- From those docs in the hitchhiker's guide:

2607	MUST
1386	SHOULD
1188	MAY
500	MUST NOT
250	RECOMMENDED
222	SHOULD NOT
82	OPTIONAL
72	REQUIRED
37	NOT RECOMMENDED

Building interop reports

- Two approaches
 - Identify subset of each spec where it makes sense to pursue a report
 - Provide a place for the community to volunteer reports ad-hoc and watch for critical mass

New Tools?

- Different systems for spec issues vs. bugs in drafts being developed
- General wiki for tracking state of implementation and interop statements