

Dynamic Spectrum Management

It will probably work

Lessons learned raising teenagers and working in spectrum policy.

Prepared for

Interference Protection Criteria Session

**11th ANNUAL INTERNATIONAL SYMPOSIUM ON
ADVANCED RADIO TECHNOLOGIES
ISART – Spectrum Sharing Technologies**

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**IEEE Std 1900.2
provides the framework**

**The next step is
risk/benefit optimized
decision making**

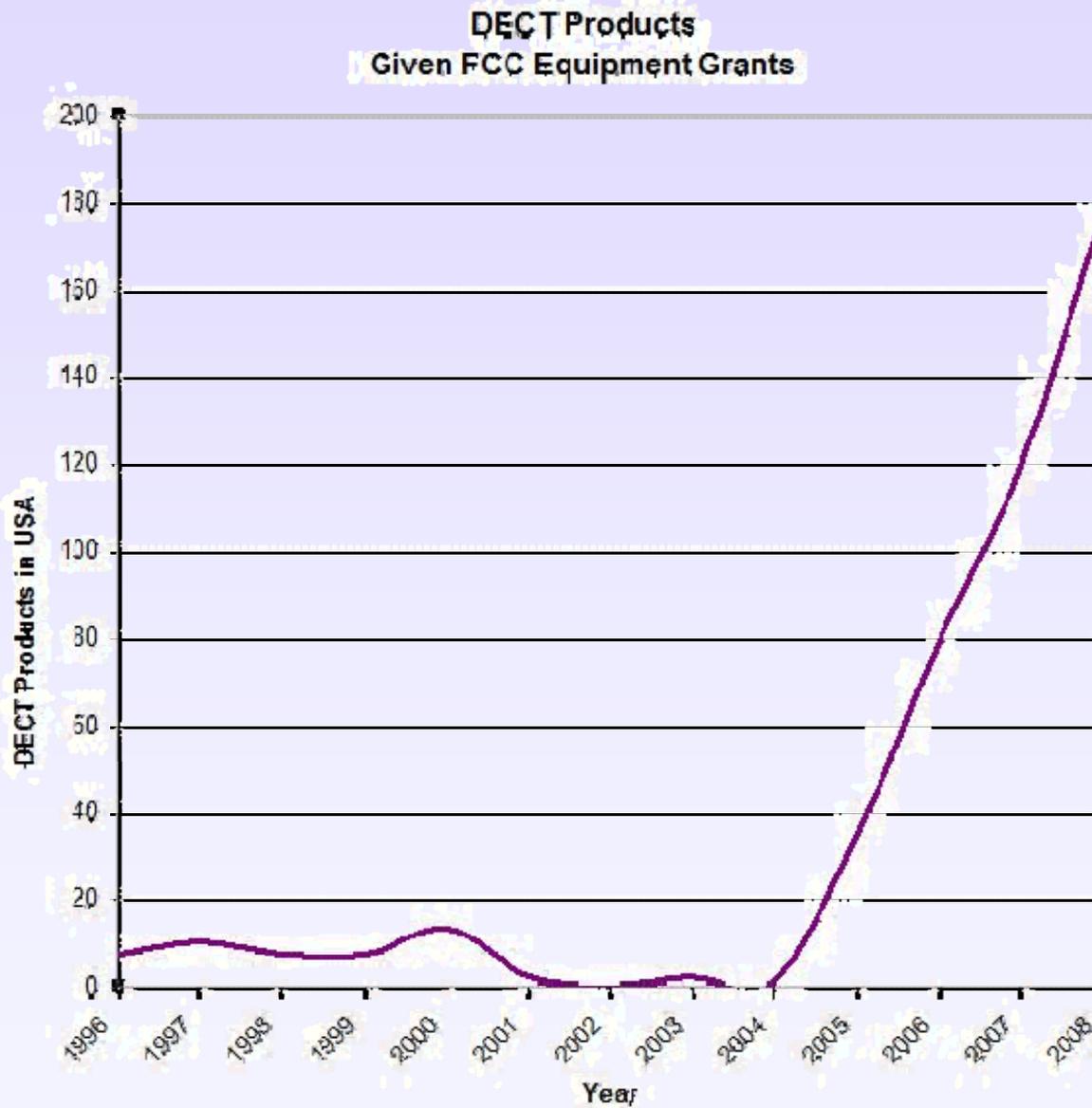
A technical talk in colloquial language.

If you build it...

...right!!

They will come

TEM Consulting, LP



Not everyone drives a sedan.

**Roads should be build for motorcycles
and 18-wheelers.**

TEM Consulting, LP

One Size Does Not Fit All

Because accidents happen....

...there should be airbags!!

Because some people cannot read....

**...does not mean we shouldn't post
signs!!**

**There should be school zones
and
warnings around playgrounds**

Predicting the Future

or at least future transmitter behavior

Field Performance is What Matters

Most of our efforts are developing individual components of a conformity assurance system intended to deliver reliable performance in the field.

Six Pillars of Conformity Assurance

Standardization

Metrology

Accreditation



**Conformity
Assessment**

**Performance
Monitoring**

**Corrective
Actions**

Summary

Setting the Service Rules for a Band

- **Proposals for new service rules, should be evaluated based on quantified risks and benefits.**
- **A band should support a range of applications, allowing devices to implement the level of reliability appropriate for its application.**
- **Fail-safe modes need an increased presence to deal with worst-case scenarios.**
- **Intelligent communication is need to protect special situations.**
- **In the end field performance is what matters. The entire conformity assurance system must be matured.**