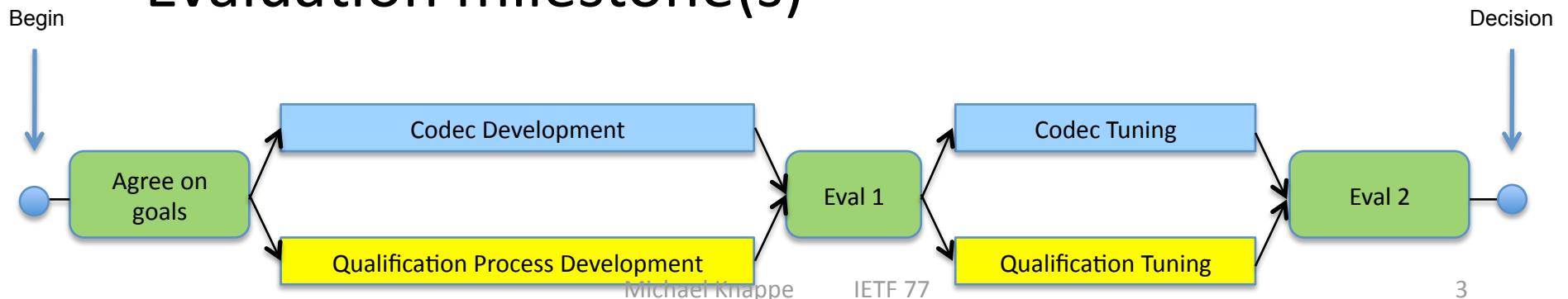# Codec workflow planning

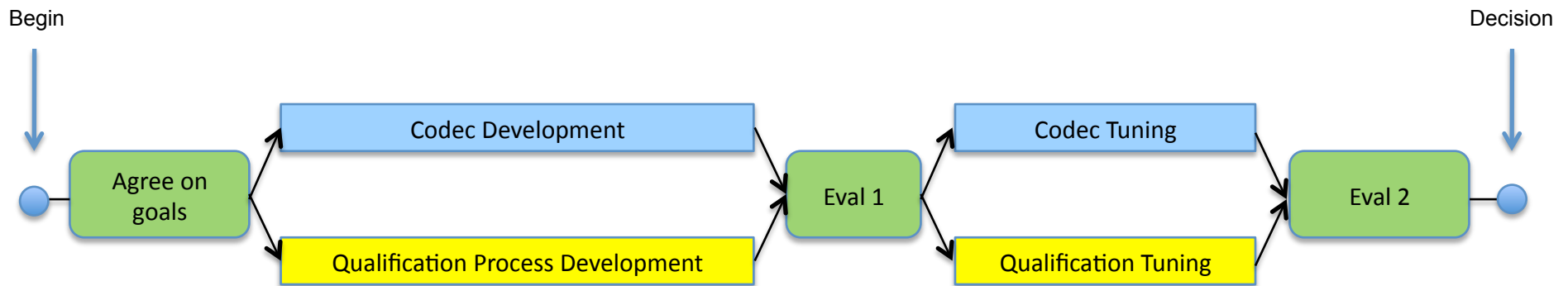Michael Knappe

Co-chair, codec WG

Codec WG goals

- Goal 1: bound codec application space -> define parameters of interest

- Goal 2: survey current codecs and works-in-progress

- Goal 3: define benchmark tools and performance goals

- Goal 4: qualify codecs, make choice(s)

Major activities

- Goal and milestone definition
  - Measuring success
- Development period(s)
- Quality / qualification process definition
- Selection criteria definition
- Evaluation milestone(s)

Begin

Decision

| Agree on goals |

Codec Development

Qualification Process Development

Eval 1

Codec Tuning

Qualification Tuning

Eval 2

High level workflow

Begin

Decision

```
Agree on
goals
```

Codec Development

Qualification Process Development

Eval 1

Codec Tuning

Qualification Tuning

Eval 2

- Two phases of parallel codec development and qualification process development
- Second 'tuning' phase optional if all the stars align

Post – Anaheim activities

- MK to meet with SG16 members re codec activities
- Monthly conf call updates

Charter goals and milestones

- Mar 2010 Chairs update all milestone dates
- Apr 2010 WGLC on Codec Standardization Guidelines
- May 2010 Codec Standardization Guidelines to IESG (Informational)
- Jun 2010 WGLC on Requirements, liaise to other SDOs
- Jul 2010 Requirements to IESG (Informational)
- Aug 2010 Liaise requirements RFC to other SDOs
- Sep 2010 Receive information on suitability of existing codecs
- Dec 2010 Freeze codec structure, liaise to other SDOs
- Jun 2011 Finalize codec parameters, liaise to other SDOs
- Jul 2011 WGLC on codec specification, liaise to other SDOs
- Oct 2011 Submit codec specification to IESG (Standards Track)
- Nov 2011 Liaise codec RFC to other SDOs

Will update to reflect decided workflow

Logistic questions…

- Subversion codebase
- Publishing reference code
- Defining complexity benchmarks
- Procuring / developing test vectors
- Evaluation
  - How many independent labs? (e.g. 5?)
  - Corporate funded self-evals?

Out of scope

- Applicability to streaming
  - DRM / watermarking
- Et al?

Next WG meeting…

- July 25-30 Maastricht, Netherlands

- Update on development progress
- Discussion of selection criteria and benchmarks
- Presentation on audio quality measurement
- Et al?