Device and Device SDK Working Group
Notes for March 23 2020

Updates

- C SDK
  - Extra fields in Readings now populated (dataType, floatEncoding, mediaType)
- Go SDK
  - Discovery PR #448: Review comments addressed, **Tony** to re-review
  - base64 floatEncoding – PR #462 (documentation) to be reviewed

EdgeX v2 API

- For Device Services - https://github.com/edgexfoundry/device-sdk-go/pull/467
  - `/device/all` endpoint removed
  - `/callback` endpoint split out for the different objects of interest (device, profile, watcher)
  - PR #467 at device-sdk-go
- Device Profile simplification – PR #2447 at edgex-go
  - Device services API will need to be updated to match if this is accepted

Hanoi release – potential features

For consideration:

- Event filtering
  - Previously agreed that design work for this would take place in the Geneva cycle and should mirror the filtering facilities available in Application services
- Load management strategies
  - How to shed load when service is overloaded (eg, too many simultaneous requests, autoevents taking longer to process than their specified interval)
- Device hierarchies
  - Modelling a device that is able to manage other devices. This would likely require fundamental changes in EdgeX and is unlikely to proceed without strong commercial push
- Direct point-to-point communication from Device Service to Application Service
  - This has been an aspiration for some time and should progress