ANT+
YEAR IN REVIEW

© 2019 Garmin Canada Inc.

Jeremy Friesen, P.Eng
Sr. Software Team Lead

ANT Wireless Symposium 2019 | Canmore, Canada

ANT+™

© 2019 Garmin Canada Inc.

<<Insert Random Who Am I Photo Here>>

TOPICS

- Contact Changes
- ANT+ Device Profiles
- TWGs
- What’s Next

© 2019 Garmin Canada Inc.

CONTACT CHANGES

- Developer Contact
  - Ian Haigh
- PM Contact
  - Open Position
  - Talk to myself or Andrew if you have questions

© 2019 Garmin Canada Inc.

DEVICE PROFILES

- New Adopter Releases
  - PWR 5.1
- New Member Releases
  - EXD 2.0

© 2019 Garmin Canada Inc.

connect IQ™
powered by Garmin

ANT+ MFG PAGES

- Now accessible in CIQ 3.1
- Allows brands to provide a more customized experience for their devices

© 2019 Garmin Canada Inc.

Device Profile TWG

- Aero
  - Continued discussion on a common approach for Aero use

© 201Garmin Canada Inc.

DEVICE PROFILE EXTENSIONS TWG

- Frequency Diversity
  - General approach to addressing issues with RF interference

© 201Garmin Canada Inc.

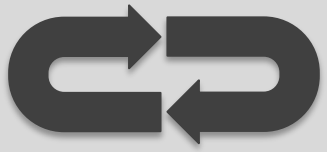
DEVICE PROFILE TWG

- Bike Power
  - Proposals for updates to spec

© 201Garmin Canada Inc.

ANT+ DEVICE PROFILE PROCESS

New Idea	TWG Process	Release
• Ideas • Use Cases • New Products • Profile Request • TWG Proposal	• Public TWG • Private TWG • Iterate on profile development	• Member Early Release • Certification • Public release when in product



© 2019 Garmin Canada Inc.

When it works, it works well

But sometimes it doesn’t…

© 2019 Garmin Canada Inc.

ANT+ DEVICE PROFILE PROCESS

New Idea	TWG Process	Release
• Ideas • Use Cases • New Products • Profile Request • TWG Proposal	• Public TWG • Private TWG • Iterate on profile development	• Member Early Release • Certification • Public release when in product

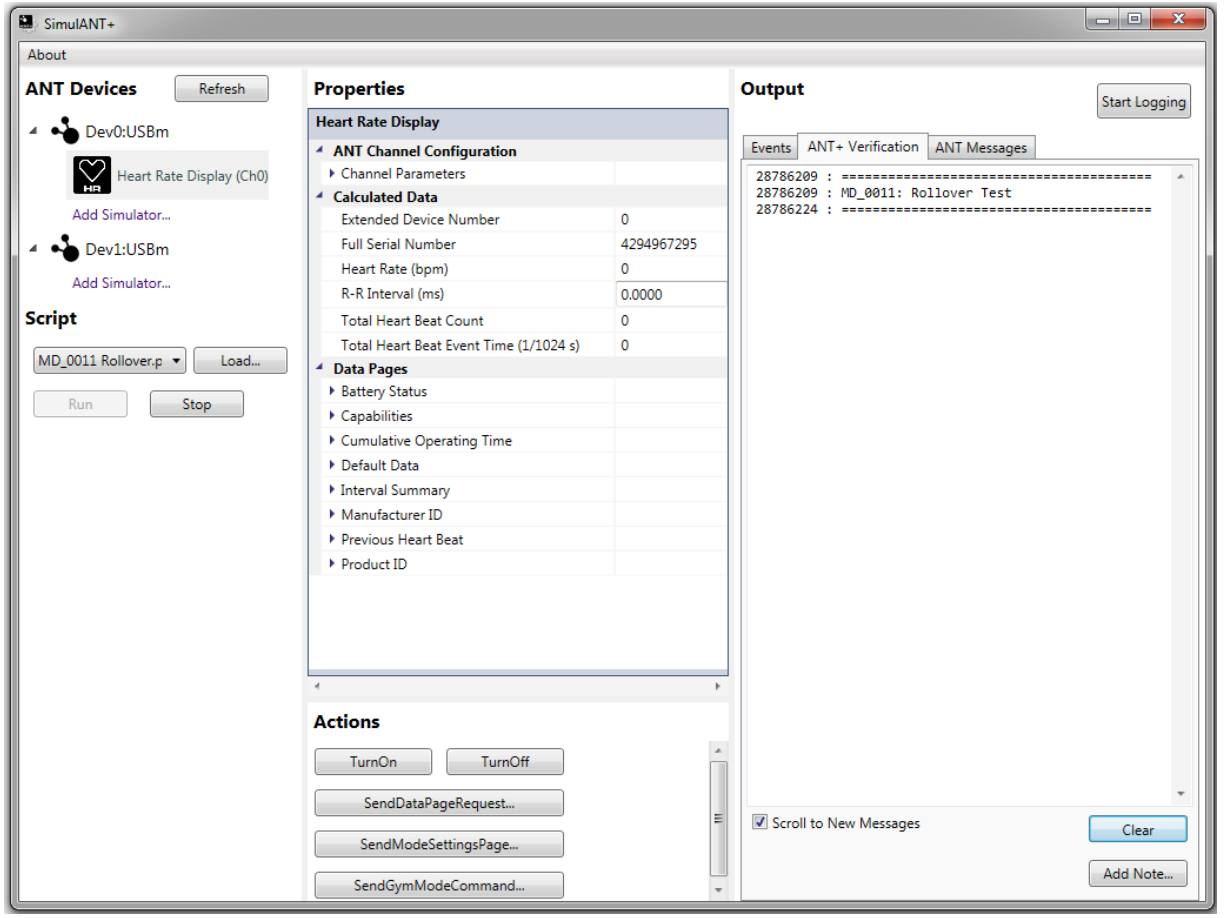
© 2019 Garmin Canada Inc.

SO…
WHAT'S NEXT?

© 2019 Garmin Canada Inc.

SimulANT+ 2.4

- Bike PWR 5.1 Support
- EXD 2.0 Support
- SMS Support
- HR-RD Fixes
- Long Running Tests



© 2019 Garmin Canada Inc.

DEVICE PROFILES

- Publishing
  - SMS
  - HR - Event Beat Type
  - Others

© 2019 Garmin Canada Inc.

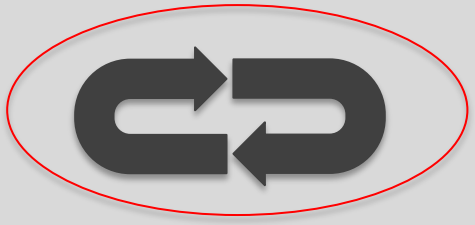
ANT+™

SO…
HOW DO WE IMPROVE?

© 2019 Garmin Canada Inc.

ANT+ DEVICE PROFILE PROCESS

New Idea	TWG Process	Release
• Ideas • Use Cases • New Products • Profile Request • TWG Proposal	• Public TWG • Private TWG • Iterate on profile development	• Member Early Release • Certification • Public release when in product



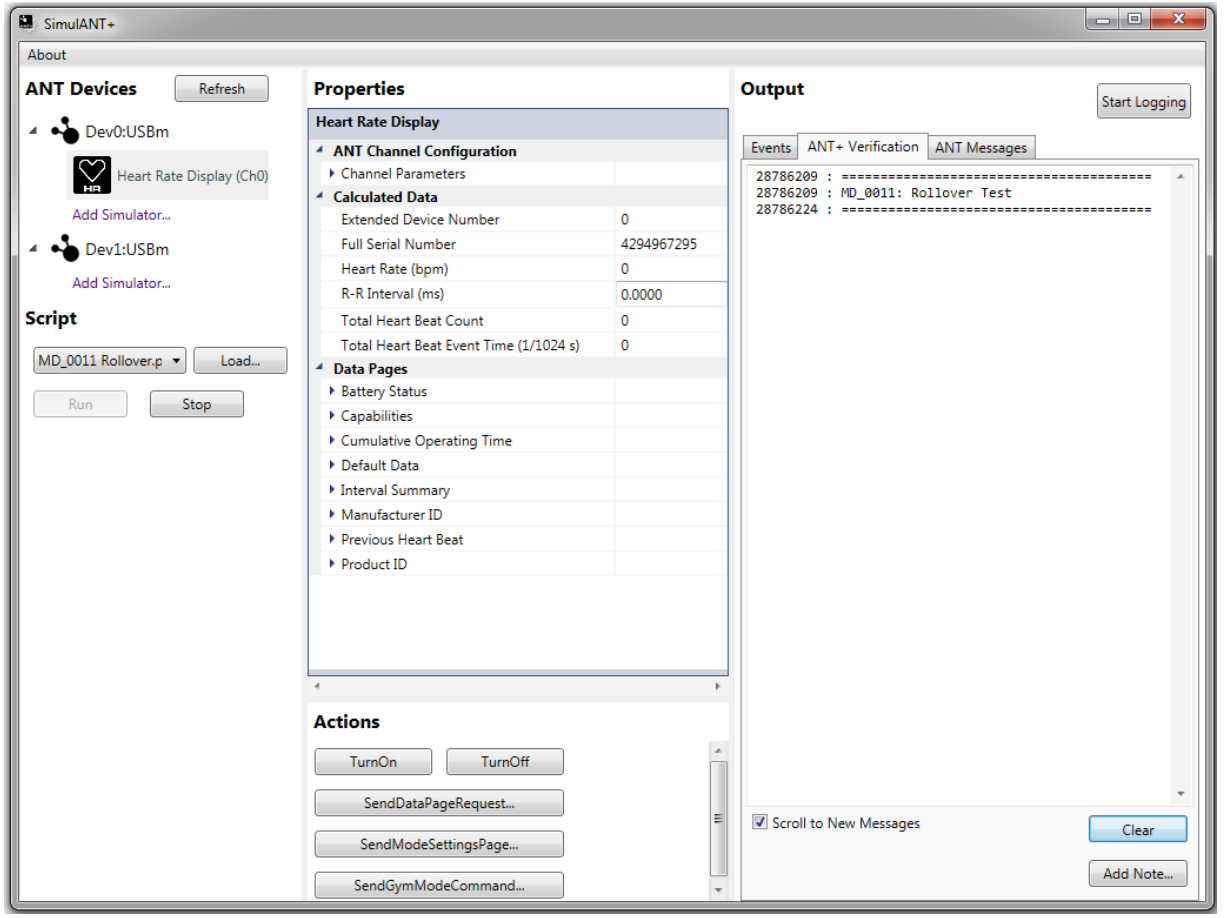
© 2019 Garmin Canada Inc.

QUALITY IS KEY

- Final Review for Ecosystem Consistency and Integrity
- Certification to limit interoperability issues
- It needs to just work

MORE POWER IN YOUR HANDS

- Open Development SimulANT+
- Improved Community Portals
- Profile reference designs
- Profile design patterns and best practices
- Profile templates



© 2019 Garmin Canada Inc.

FUTURE OF ANT+ ALLIANCE MEETINGS

- Continue call and communication process
- Improved Portals for sharing information and allowing discussion
- F2F Meetings at different sites
  - Central locations
  - Industry events
  - Focused on Profiles and Tools

© 2019 Garmin Canada Inc.

RECAP

- Contact Changes
- ANT+ Device Profiles
- TWGs
- Empowering the Ecosystem

© 2019 Garmin Canada Inc.

ENJOY SYMPOSIUM 2019

© 2019 Garmin Canada Inc.