



Canova Tech

*The Art of Silicon Sculpting*

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*IEEE802.3cg TF*

*TIS preamble*

*May 22<sup>th</sup>, 2018*

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- Contributions in the group about Golay sequence
  1. [http://www.ieee802.org/3/cg/public/adhoc/cordaro\\_8023cg\\_short\\_reach\\_new\\_preamble\\_proposal\\_1220.pdf](http://www.ieee802.org/3/cg/public/adhoc/cordaro_8023cg_short_reach_new_preamble_proposal_1220.pdf)
  2. [http://www.ieee802.org/3/cg/public/adhoc/cordaro\\_8023cg\\_01\\_0118\\_v2.pdf](http://www.ieee802.org/3/cg/public/adhoc/cordaro_8023cg_01_0118_v2.pdf)
  3. [http://www.ieee802.org/3/cg/public/Jan2018/tazebay\\_3cg\\_01b\\_0118.pdf](http://www.ieee802.org/3/cg/public/Jan2018/tazebay_3cg_01b_0118.pdf)
  4. [http://www.ieee802.org/3/cg/public/adhoc/cordaro\\_3cg\\_06\\_0418.pdf](http://www.ieee802.org/3/cg/public/adhoc/cordaro_3cg_06_0418.pdf)
  5. [http://www.ieee802.org/3/cg/public/adhoc/cordaro\\_3cg\\_02\\_0509.pdf](http://www.ieee802.org/3/cg/public/adhoc/cordaro_3cg_02_0509.pdf)
    - This presentation @slide 6 is proposing the use of the OAM channel
- A compromise for TIS preamble that wouldn't preclude different implementations was presented
  6. [http://www.ieee802.org/3/cg/public/adhoc/beruto\\_3cg\\_preamble\\_1p0.pdf](http://www.ieee802.org/3/cg/public/adhoc/beruto_3cg_preamble_1p0.pdf)
- A consensus has been achieved for the new preamble proposed in 6) with a modified version of the OAM proposed in 5)

# Structure of Proposed preamble

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- JJHH (better autocorrelation properties than JJJK)
- 17 bits for scrambler sync (4B5B encoded)
- 15 bits for (optional) OAM channel (4B5B encoded)
- 555D (may be overridden by 802.3br preemption)

# New preamble structure with OAM

