

## **Adventures in Engineering Milestones**

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## **IEEE Engineering Milestones**

- The IEEE Milestones program honors significant technical achievements in all areas associated with IEEE.
- It is administered through the IEEE History Center
- Milestones recognize the technological innovation and excellence for the benefit of humanity found in unique products, services, seminal papers and patents.
- Milestones are proposed by any IEEE member, and are sponsored by an IEEE Organizational Unit (OU)—such as an IEEE section, society, chapter or student branch.
- After recommendation by the IEEE History
  Committee and approval by the IEEE Board of
  Directors, a bronze plaque commemorating the
  achievement is placed at an appropriate site with
  an accompanying dedication ceremony.





# IEEE Engineering Milestones (2)

### IEEE MILESTONE IN ELECTRICAL ENGINEERING AND COMPUTING

The CP/M Microcomputer Operating System, 1974

Dr. Gary A. Kildall demonstrated the first working prototype of CP/M (Control Program for Microcomputers) in Pacific Grove in 1974. Together with his invention of the BIOS (Basic Input Output System), Kildall's operating system allowed a microprocessor-based computer to communicate with a disk drive storage unit and provided an important foundation for the personal computer revolution.

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- Each milestone recognizes a significant technical achievement that occurred at least twenty-five years ago in an area of technology represented in IEEE and having at least regional impact.
- There are about 200 IEEE Engineering Milestones worldwide.



# How do I submit an IEEE Engineering Milestone?

#### **Milestone Process in Brief:**

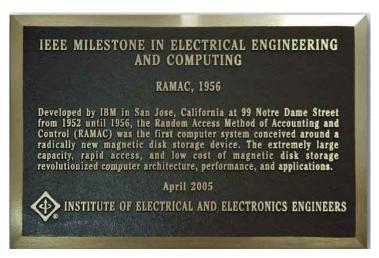
- Proposer(s) (at least one must be a current IEEE member or student member) obtains sponsorship from appropriate IEEE organizational unit(s)
- Proposers obtain permission from owner of site where milestone plaque is to be placed
- Proposers complete and submit proposal on Milestones Wiki
- Advocate appointed
- Advocate reviews proposal, recommends History Committee action
- If History Committee approves, the <u>History Committee</u> submits milestone to <u>IEEE Board of Directors</u> for final approval
- Board of Directors Approves Milestone
- Sponsoring Organizational Unit(s) <u>plan dedication ceremony, order plaque(s)</u> and celebrate the heritage of electrical and computing technology.

#### Full guidelines on submitting a milestone are at:

http://ieeemilestones.ethw.org/Milestone\_Guidelines\_and\_How\_to\_Propose\_a\_Milestone



## How Long Does it Take?



- Time Required: The milestone approval process, plus the time required for casting the plaques, takes between nine and fifteen months.
- This time depends on
  - 1) the time it takes the advocate to do a thorough review of the proposal,
  - 2) the meeting schedules of the History Committee (which typically meets in March and October, with possible teleconferences in the summer) and
  - 3) the meeting schedule of the Board of Directors.



## Where are the Milestones

 A full list of the current IEEE milestones is given here:

http://ethw.org/Milestone
s:List of Milestones

 Region 3 has a few milestones, but less than some other regions





## Other Interesting Milestone Activities



- IEEE Engineering
   Milestone Selfies:
   http://ethw.org/Mileston
   es:Milestones\_selfies
- IEEE Engineering
   Milestone Tours





