



VxWorks Support

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Project Drivers & Scope

- Perform duties of liaison to WindRiver Systems for the laboratory and users
 - Coordinate laboratory wide licensing maintenance and renewal
 - TSR filing and tracking
 - Correspondence between the laboratory and WindRiver
- Provide laboratory wide support and consultation on VxWorks and related issues for multiple versions
 - Handle general queries on usage, development
 - Investigate problem reports and work with users and WindRiver as appropriate
 - Evaluate new versions of VxWorks for use
 - Maintain local documentation on VxWorks



Project Deliverables Status

- Laboratory wide license renewal and maintenance of licensing status
 - 3 ELM Licenses, good for a year, expire in September.
 - 500 Production licenses, 300 for AD and 200 for CD
- Support for multiple versions of VxWorks and Hardware combinations
 - Currently support 5.3, 5.4, 5.5 and 6.1 on fndaut
 - Most Motorola PPC Boards (162, 167, 230x, 24xx, 260x, 5500, 6100)
- Evaluate VxWorks 6.1 tools and deploy to users interested
 - Currently installed on fndaut and nova
 - The only issue encountered so far is the lack of support for older boards (MVME230x, MVME162, MVME167)



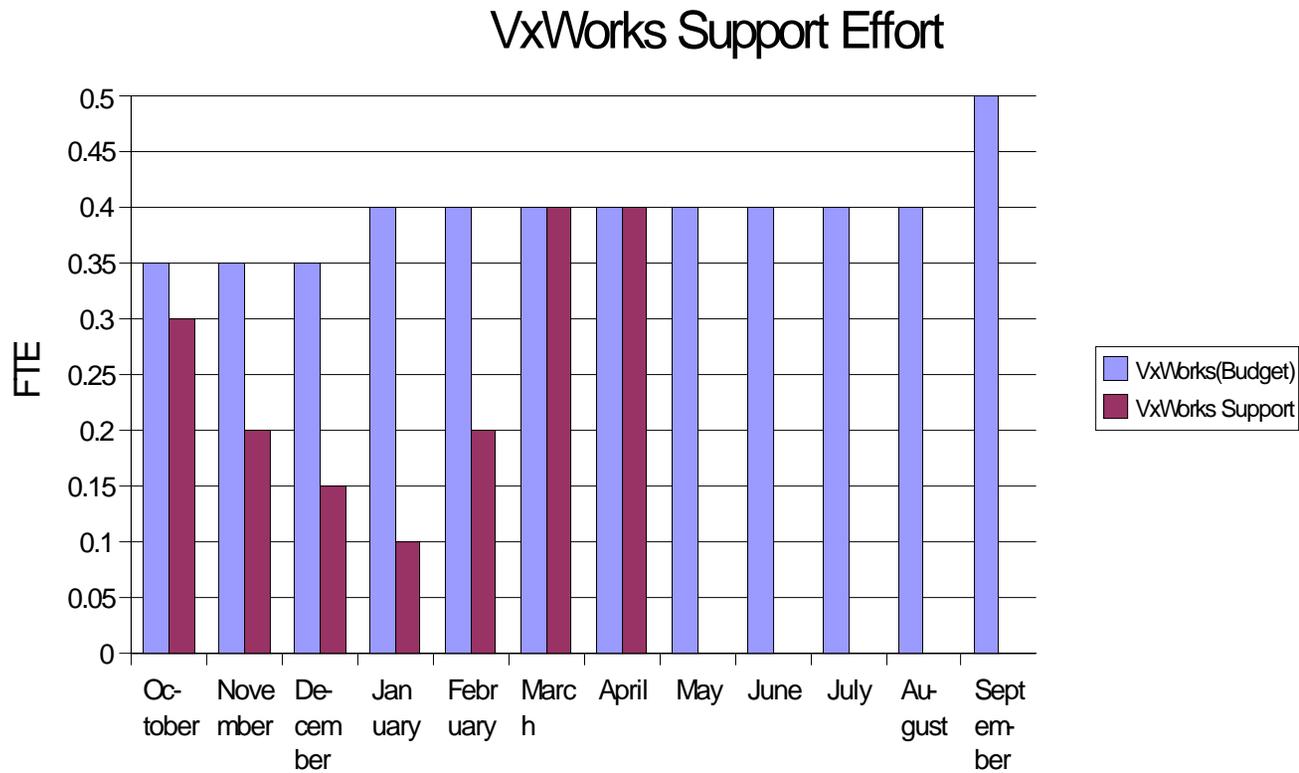
Project Milestones

- License renewal is an ongoing activity that generally is confined to once a year.
- General support and consultation is on an as needed basis and is intermittent throughout the year. There can be correlation with other accelerator or experiment based activities.
- VxWorks 6.1 tools evaluation was a one time activity with a tentative milestone of March 2006.
 - Built kernels and boot loaders for the 5500 and 2400
 - Wrote example programs to test out new features: real time processes and persistent logging. Encountered some small problems.



Effort Profile VxWorks Support

- 1 Employee for liaison and support activities





Risks

- Legacy hardware and/or VxWorks versions is a potential risk in terms of effort and supportability.
- Support for new versions and hardware combinations at least temporarily increase support load and could impact other ongoing support.
- New activities or users pose a risk of increased support load.
- Changes in licensing costs or terms could have laboratory wide impact.