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Upgrade plan of MicroTCA based event timing system at KEK LINAC

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VME-based event timing system plays an important role for the synchronization of beam diagnostics and accelerator device control at KEK LINAC. However, with some VME modules approaching its market end-of-life, transitioning to modern platforms like MicroTCA is becoming necessary. We decide to migrate the timing system by focusing on a phased upgrade approach, where new MicroTCA based MRF 300-series timing modules will coexist with and eventually replace the legacy VME timing modules. This talk introduces the plan and current status of timing system upgrade.

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