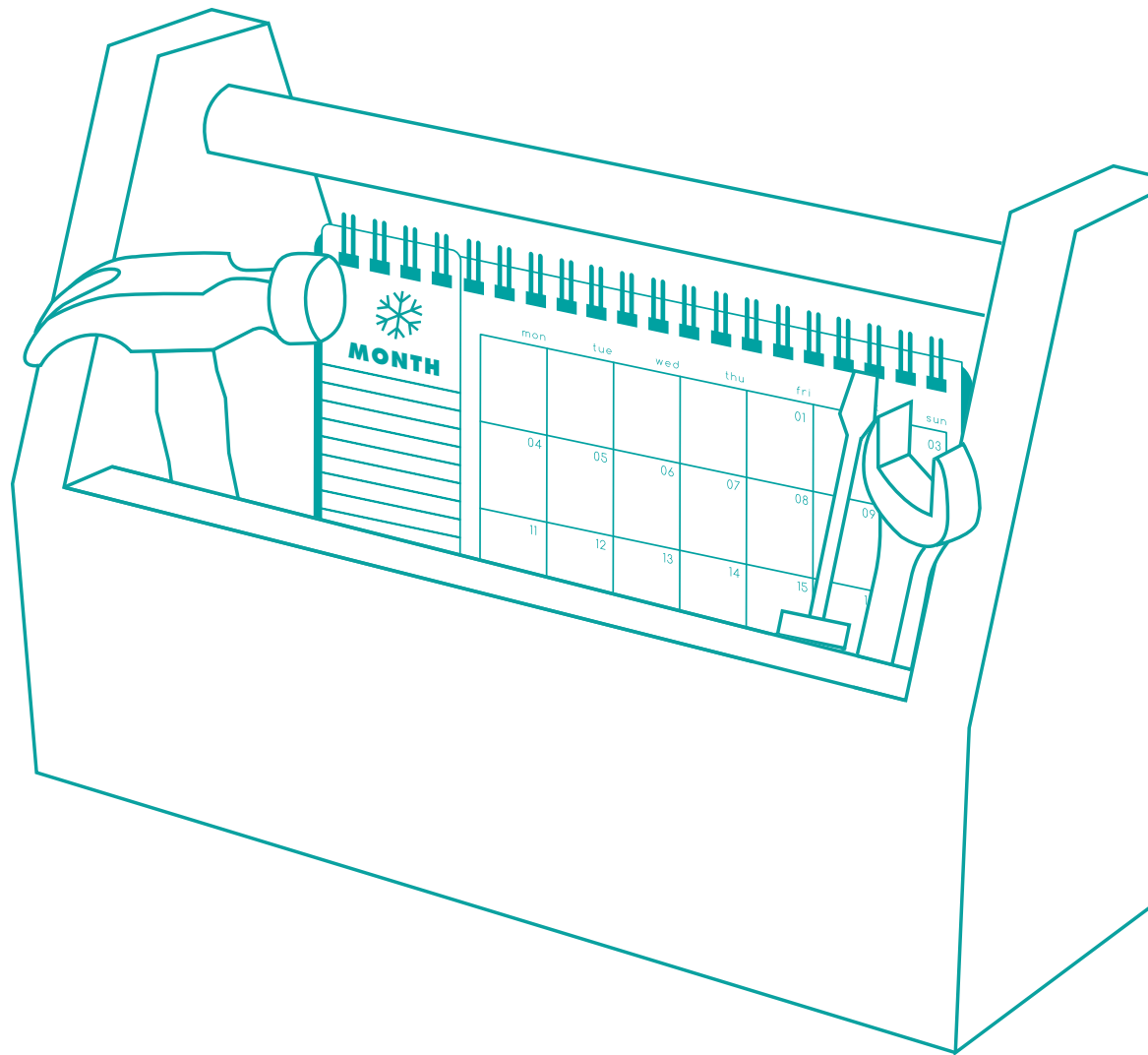




# HOW TO DEVELOP A REPAIR AND MAINTENANCE SYSTEM FOR COLD CHAIN EQUIPMENT

March 2017

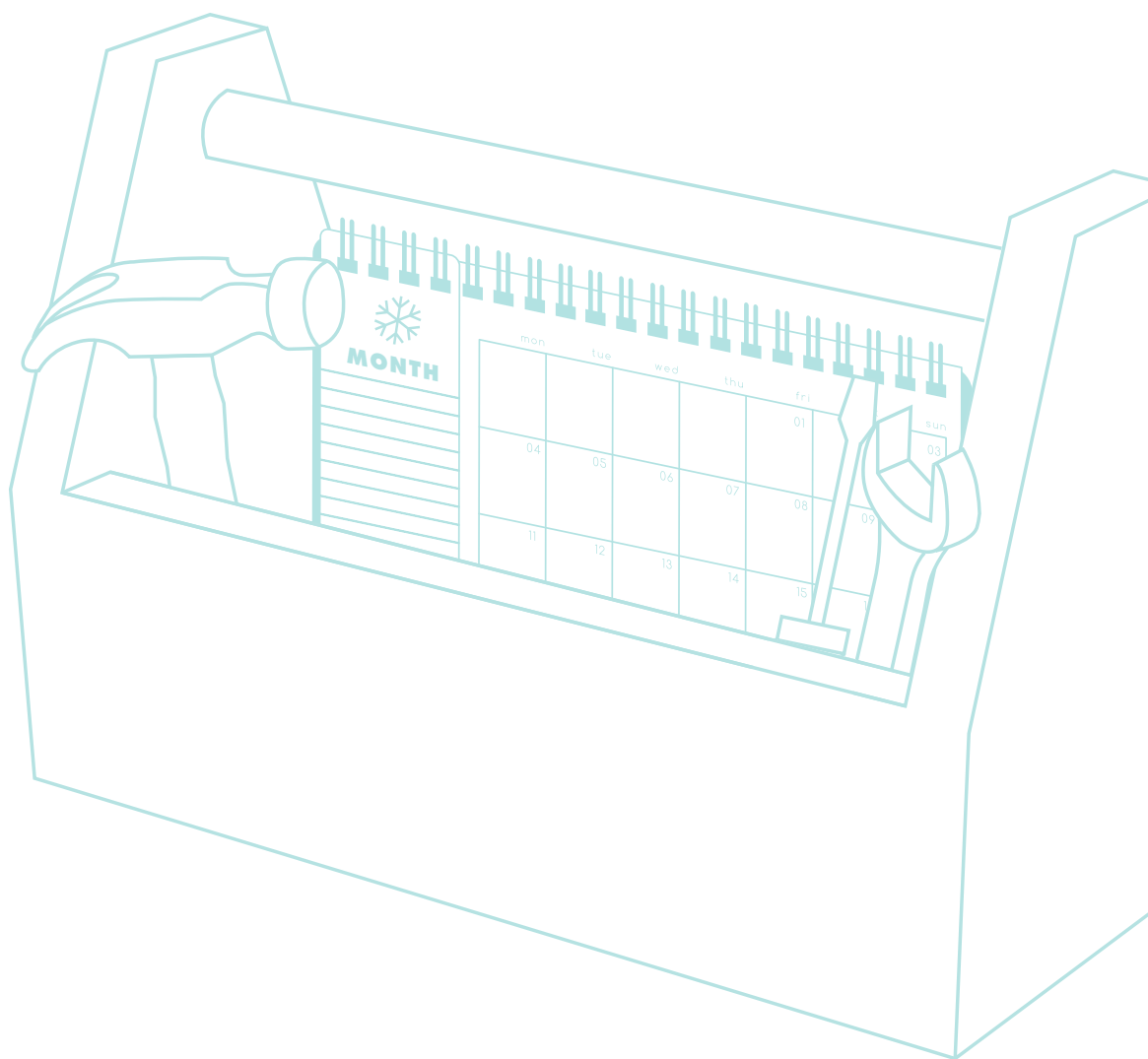






# HOW TO DEVELOP A REPAIR AND MAINTENANCE SYSTEM FOR COLD CHAIN EQUIPMENT

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## How to use this module

This module of the WHO Vaccine Management Handbook [VMH] is a component of the World Health Organization/United Nations Children's Fund Effective Vaccine Management [EVM] Initiative. The handbook is written for decision-makers at national and subnational levels; its purpose is to provide technical advice on key topics related to immunization logistics to help countries develop and refine national policies. For more detailed guidance on specific operational activities, readers should refer to the *EVM model standard operating procedures*.<sup>1</sup>

Advice in the VMH generally conforms to the guidance on good storage and distribution practice given in WHO Technical Report Series, No. 961, 2011, Annex 9: *Model guidance for the storage and transport of time- and temperature-sensitive pharmaceutical products*.<sup>2</sup>

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<sup>1</sup> The model EVM standard operating procedures (SOPs) manual (PDF) and individual generic SOPs (Word) that may be adapted to create country-specific SOPs are available for download at: [http://www.who.int/immunization/programmes\\_systems/supply\\_chain/evm/en/index2.html](http://www.who.int/immunization/programmes_systems/supply_chain/evm/en/index2.html), accessed 15 June 2016.

<sup>2</sup> WHO guidelines describing the principal requirements for the safe storage and distribution of time- and temperature-sensitive pharmaceutical products (TTSPPs) are available at: <http://apps.who.int/medicinedocs/documents/s18683en/s18683en.pdf>, accessed 15 June 2016.

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