

## Helvellyn 2.1.0.beta.2.hotfix.3 Release Contents

### Objective

This document describes the contents of Helvellyn 2.1.0. beta.2.hotfix.3 with the inclusion of hotfix.1 released in May 2023.

### Reason for change

Revised external release of Helvellyn 2.1.0 PDK and documentation, which includes a hot fix patch with the following major spice model changes:

- New compact model using UTSOI model
- New typical, fast, slow corner DC models
- Updated AC model with measured data

### Release contents

#### Process Design Kit (PDK)

- As per hotfix.1 external release

#### SPICE Models

- Transistor(nch) model changes as mentioned above

#### Design Rule Manual

- Initial external release

#### Design Guide

- Initial external release

#### PDK Installation Guide

- External release for Helvellyn 2.1.0.beta.2.hotfix.3

#### Calibre LVS Deck

- As per hotfix.1 external release

#### Calibre PEX Deck

- As per hotfix.1 external release

### Validation

This PDK has been tested in the following environments

- Centos 7.8
- Cadence v6.1.8
- Spectre v21.1
- Calibre v2020.2

### Known issues or anticipated updates

This is a beta release for Helvellyn 2.1.0 and is subject to changes. Please report any feedback to your Pragmatic technical representative.