

What's New in NX 5.0.6

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Chapter

1 Introduction to What's New

The What's New Guide briefly summarizes the new features in each release.

This guide highlights what each function does, why it should be used, and where it can be found in the user interface. This guide also conveys the benefit of each new capability.

Chapter

2 *Customer Defaults*

2D Manikin customer default

What is it?

You can input values outside the specified SAE range for the **2D Manikin** command, using the new **Allow Input Values Outside Standard Range** option in the **Customer Defaults** dialog box. When you select this option, you can input non-standard values for the following variables in the **2D Manikin** dialog box:

- **Back Angle (A40)**
- **Steering Wheel Diameter (W9)**
- **Chair Height (H30) (SgRP Height Coordinate (H70) minus AHP Height Coordinate (H8))**



Changes in the **Customer Defaults** dialog box are effective only in the next session.

Where do I find it?

Application	Modeling
Menu	File® Utilities® Customer Defaults
Location in dialog box	Vehicle Design — General Packaging® Extras® General Options® Allow Input Values Outside Standard Range

Chapter

3 *General Packaging*

Pedestrian Protection

What is it?

Use the **Pedestrian Protection** command to create pedestrian head and leg impact areas early in the vehicle design process to study and mitigate pedestrian injuries in collisions. You can offset, project, or calculate the intersection areas to evaluate whether the current design meets the pedestrian protection regulations of the Global Technical Regulation and the Euro NCAP.

The following assessment programs are supported:

- Global Technical Regulation
- European
- Japanese
- Korean



When creating the head impact area, if you use the Global Technical Regulation assessment program, you can evaluate whether the current design meets the pedestrian protection requirements in the early design stage. If you use the other assessment programs, you can provide the head impact area to the automobile manufactures for NCAP testing.

The new **Pedestrian Protection** customer default options enable you to customize the following:

- Values and settings defined within each standard
- Color, layer, and font for each output item
- Initial values for other inputs of the user interface

Why should I use it?

Pedestrian Protection helps you save design time as the manual process for evaluating the current designs against standards is time consuming, tedious, and error-prone.

Where do I find it?

Pedestrian Protection command

Application

Modeling

Toolbar

Menu

**General Packaging® Pedestrian Protection
Tools® Vehicle Design Automation® General
Packaging® Pedestrian Protection**



Pedestrian Protection customer defaults

Menu

Location in dialog
box

**File® Utilities® Customer Defaults
Customer Defaults® Vehicle Design – General
Packaging® Pedestrian Protection**