

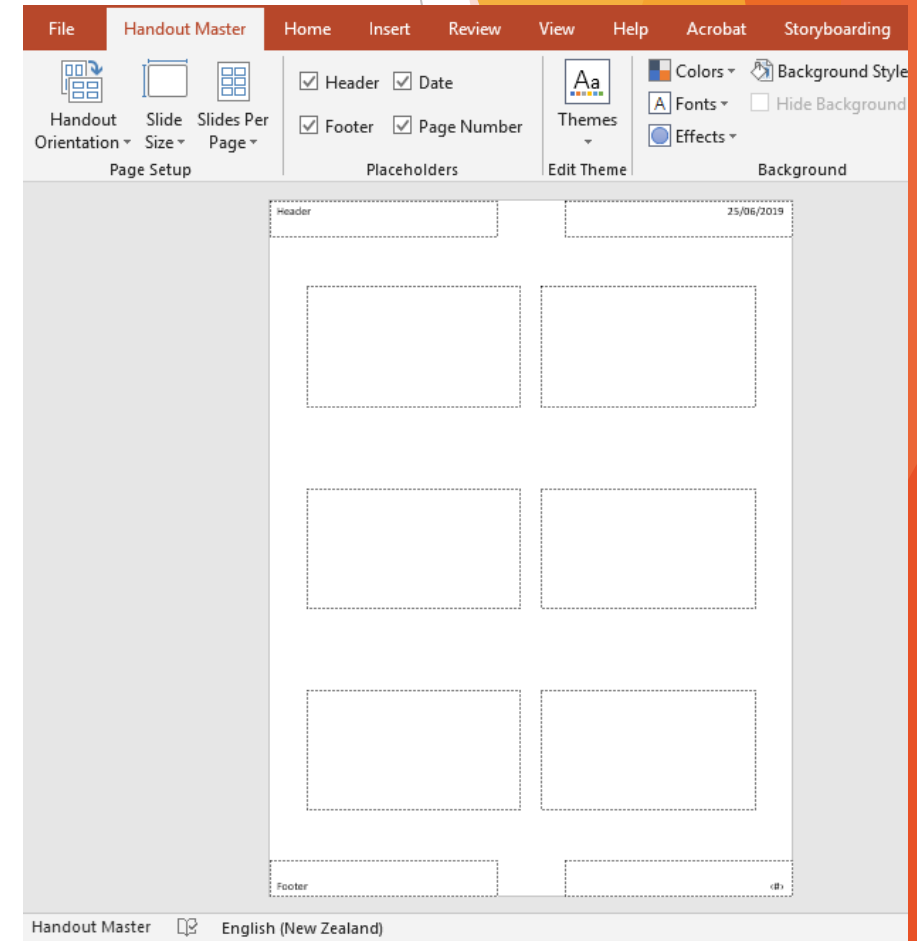
# N-Up and PowerPoint

Understanding the Power of Solid Framework

# What on Earth is N-Up?

- ▶ PowerPoint allows the production of PDFs that contain multiple slides per page.
- ▶ Typically this is used for “handouts”.
- ▶ These handouts can also contain
  - ▶ white space print margins
  - ▶ page numbers, file names etc. that are printed on each page

“N-Up” handling aims to reconstruct the original Presentation from the PDF, even if only this limited handouts version is available.

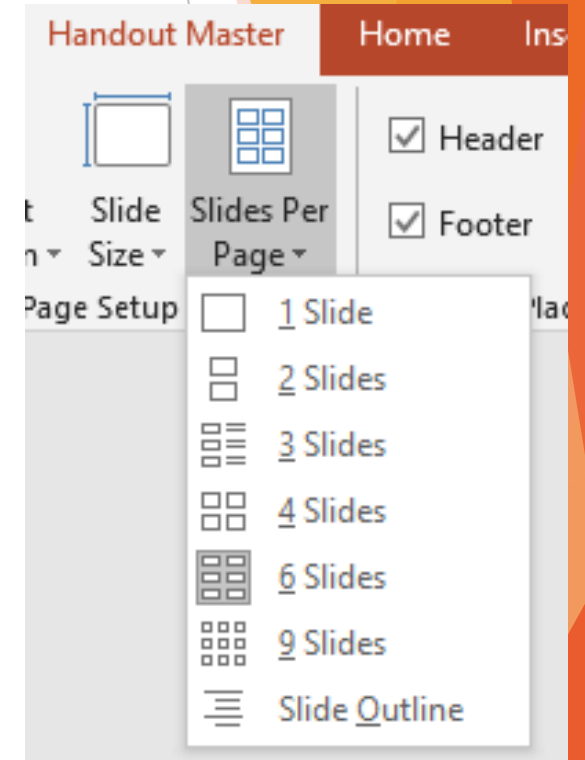


# What Does that Mean in Practice?

- ▶ If there are, for example, six slides per page in the PDF, this will result in six separate slides in the reconstructed presentation.
- ▶ White space print margins are removed.
- ▶ Page numbers, file names and other “headers” and “footers” will be automatically removed.
- ▶ This functionality is automatic and requires no specific user intervention.

# What Are the Limitations?

- ▶ PowerPoint only supports a limited number of options when creating slides (1, 2, 3, 4, 6 and 9 slides per page).
- ▶ Solid Framework will only consider PDFs as candidates for N-Up handling if it matches one of these options.
- ▶ This means that 10, 12 or 16 slides per page cannot be reconstructed in this way.

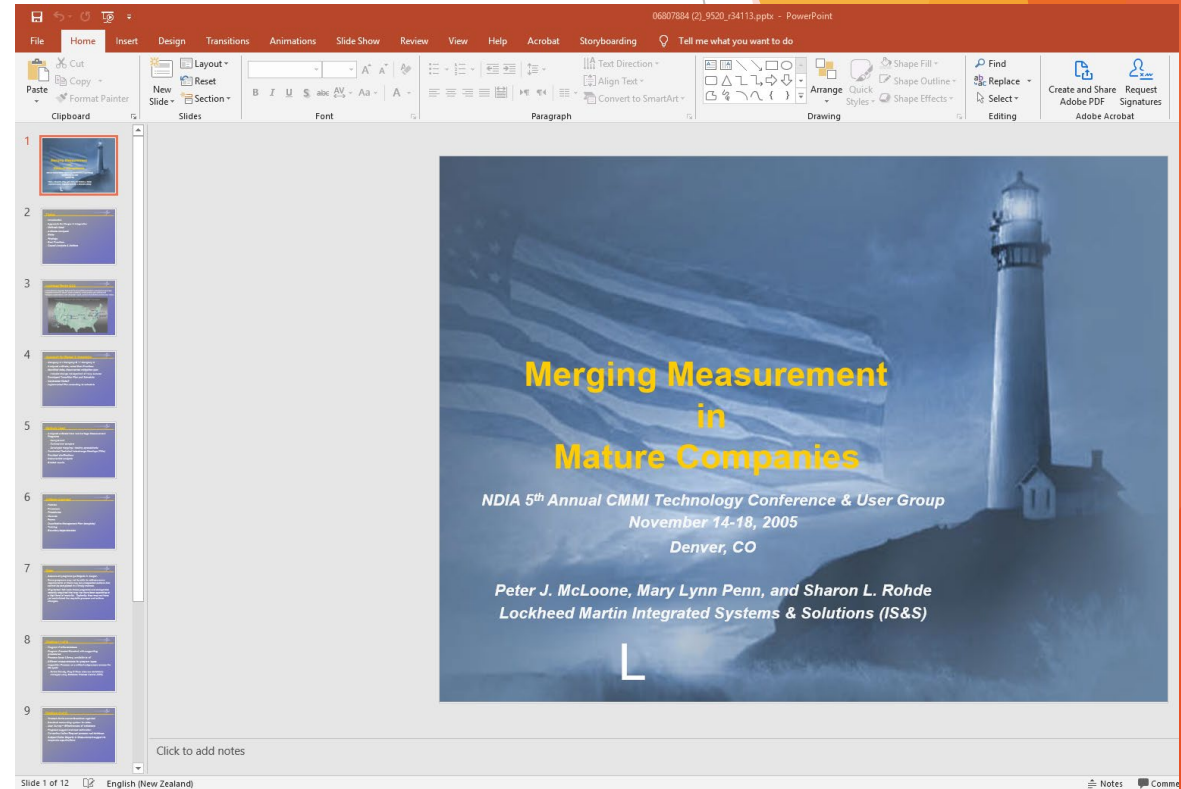


# Some Examples - "1-Up"

PDF



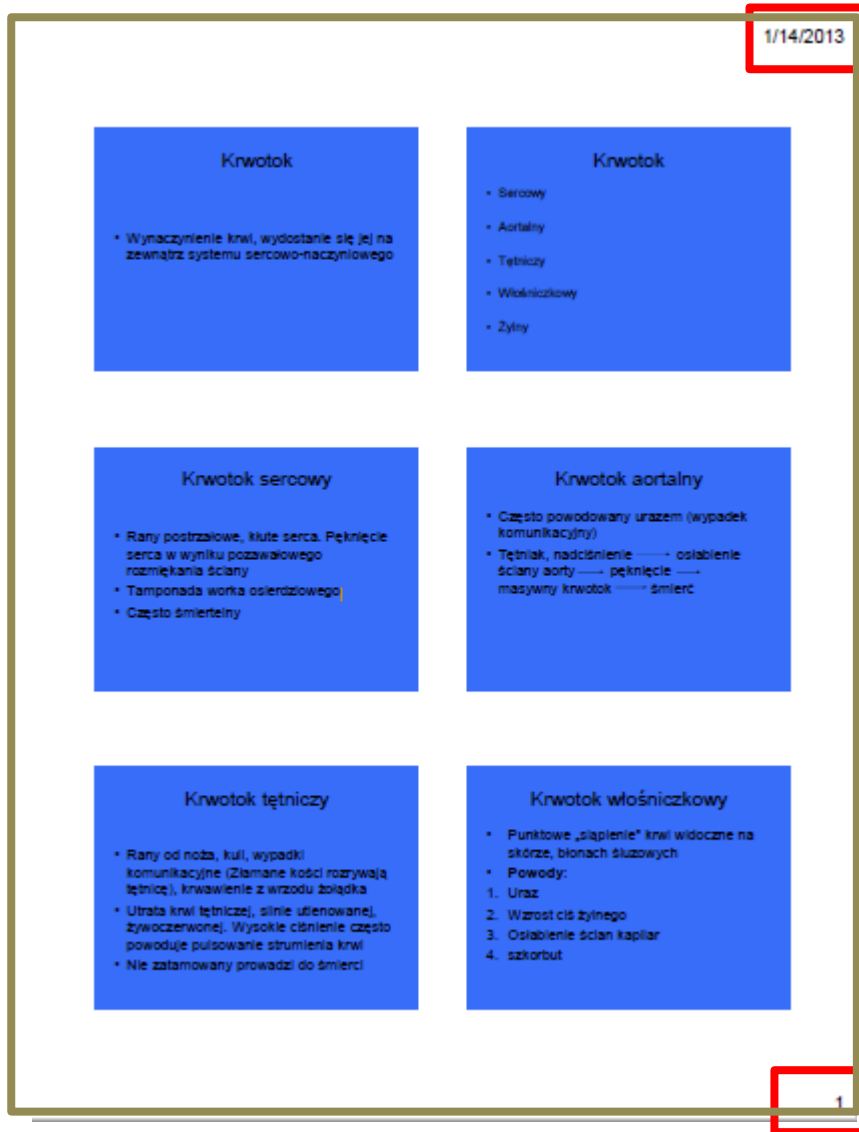
The PDF has one slide per page.  
Each slide has a white print margin.



Each page is converted to a single slide, with the print margin discarded.

# Some Examples - "6-Up"

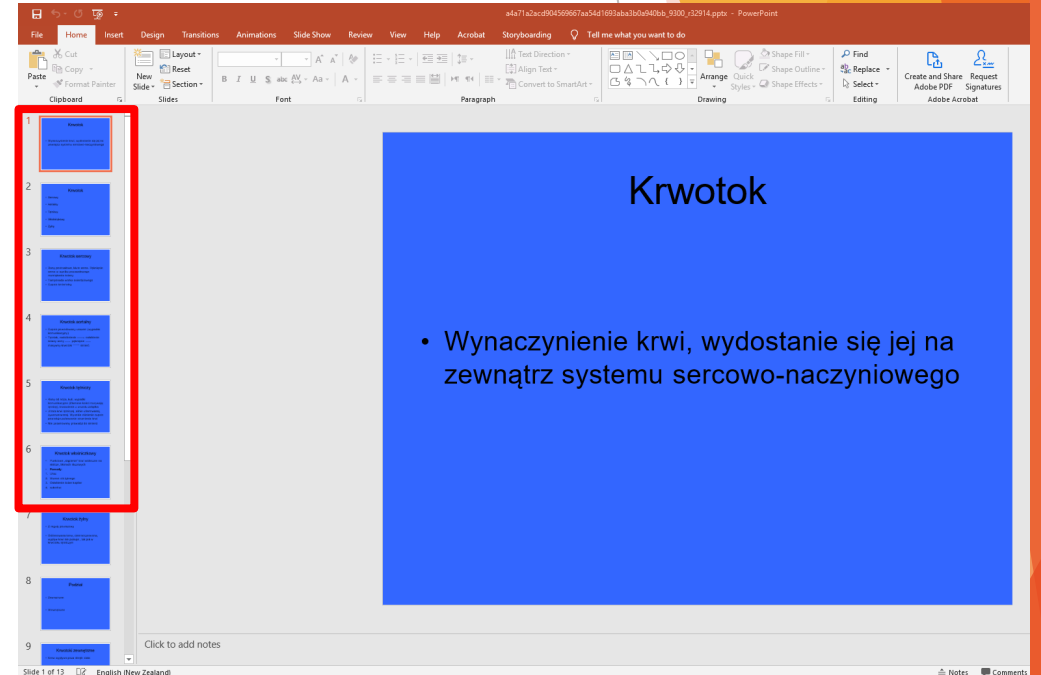
PDF



→ Header (Date) - discarded



The PDF has six slides per page. These are converted to six separate slides.

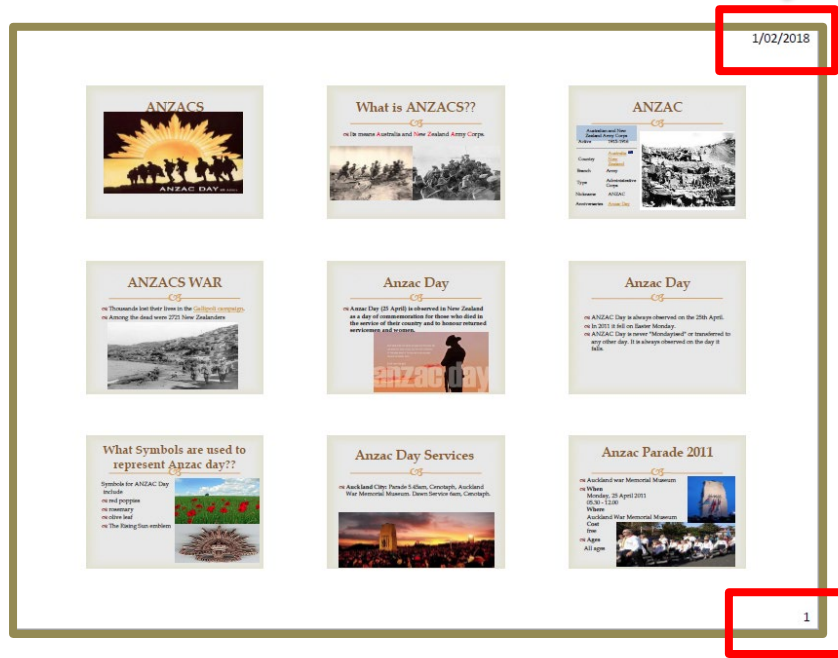


→ Footer (Page number) - discarded

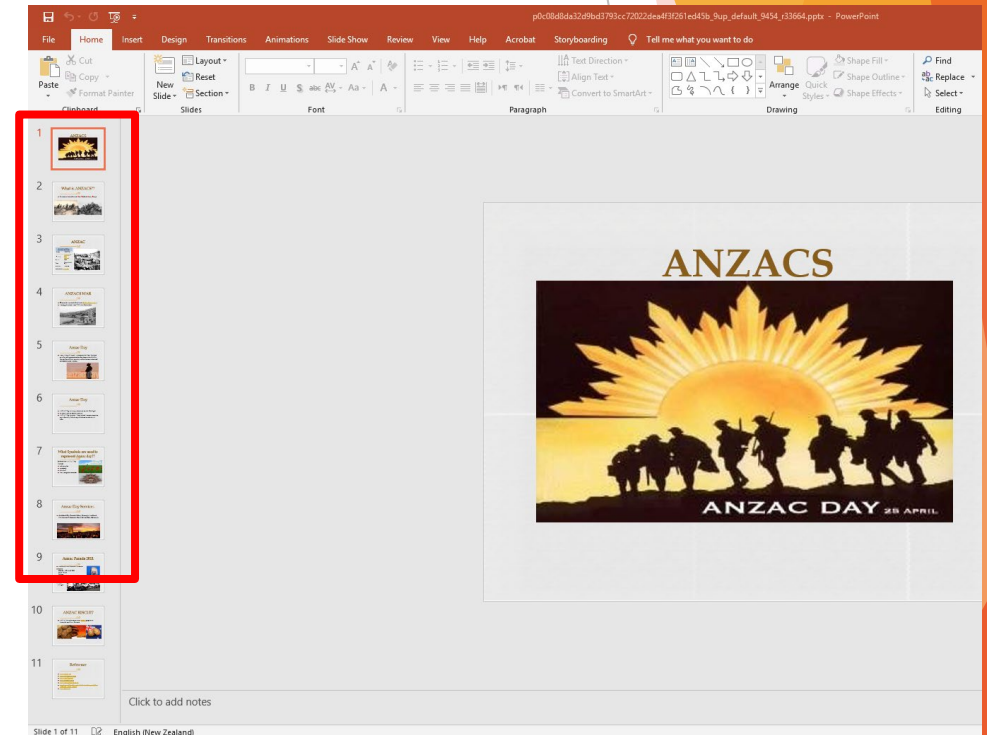
# Some Examples - "9-Up"

PDF

Header (Date) - discarded



The PDF has nine slides per page. These are converted to nine separate slides.



Footer (Page number) - discarded