

Table 1: Abridged list of contents of NMSOP_2, Volume 1, with changes in green, new chapters or topics highlighted in blue and links to related new complementary topics in red

Chapter	Title	Comments	Committed Author(s)	approx. extra pages
1	Aim and Scope of the web-edition of the IASPEI New Manual of Seismological Observatory Practice (NMSOP_2)	Based on the old text but highlighting the new format and essential amendments	P. Bormann	3
2	Seismic Waves and Earth Models	Essentially unchanged but corrected and with links to related lectures by P. Bormann	P. Bormann	0
3	Seismic Sources and Source Parameters	Restructured and partially redrafted. General overview with links to more detailed related texts in Vol. 2 on theory and measurement of most important parameters such as new IASPEI magnitude standards, Es, Me,Mo, Mw and lectures by P. Bormann	P. Bormann	10
4	Seismic Signals and Noise	Amendment and links to new contributions on noise characteristics and use (Chapter 15, IS 5.3) and lecture by P. Bormann	P. Bormann	2
5	Seismic Sensors and their Calibration	Some amendments and links to new complementary materials and tutorials in Vol. 2	E. Wielandt	2
6	Seismic Recordings Systems	Qualitative new developments necessitate this Chapter to be rewritten completely and amended	G. Asch and K.-H. Jaeckel	10

7	Site Selection, Preparation and Installation of Seismic Stations	Most contents remain unchanged since lead author has retired and no substitution could be found. Section 7.2 will be linked to a related lecture by P. Bormann ; old 7.4.4 will be supplemented by test results using different temperature and pressure shieldings, assessing performance in different period ranges (available 2010)	P. Bormann W. Hanka K.-H. Jaeckel	5?
8	Seismic Networks	Modifications and up-grading (topically already specified) with link to lecture by P. Bormann on network optimization .	J. Havskov L. Ottemöller P. Bormann	10?
9	Seismic Arrays	Upgrading and amendments (envisaged but not yet specified)	J. Schweitzer and co-authors	10?
10	Seismic Data Formats, Archival and Exchange	Updating (especially with respect to protocols of continuous data transfer and related formats, such as seedlink, arlink, DHI and other protocols); addition of some suitable figures and diagrams to the pure text Chapter has been proposed.	B. Dost and R. Sleeman	5?
11	Data Analysis, Seismogram Interpretation and Data Reports	The Chapter will be upgraded by some new figures and links to newly developed complementary interactive data analysis tutorials and exercises in Vol. 2 . It will also include a final section about Data Reports with links to new IS about Data Centers .	P. Bormann K.-D. Klinge S. Wendt	30? (including Vol. 2)

12	Intensity and Intensity Scales		R.M.W. Musson	10
13	Volcano Seismology	<p>Rewriting the introduction, adding text on internet questionnaires as well as a new section on data exchange and text on automatic intensity assessment procedures</p> <p>Essentially amended topics (especially with respect to analysis and methodology, available software for automatic analysis, interpretations and source models; for details see Annex 1)</p>	J. Wassermann J. Neuberg	25?
14	Strong-Motion Recordings and Data Analysis for Applications in Earthquake Risk Mitigation, Seismology and Engineering	For this new Chapter, which links observational seismology with earthquake risk mitigation efforts, a detailed outline is given in Annex 2)	G. Gibson	70-80?
15	Investigation of site response in urban areas by using earthquake data and seismic noise	This new Chapter will introduce into the theory and methodology of using temporary records of earthquakes and seismic noise by means of single stations, station networks or special arrays for investigation and the assessment of site response to weak and strong ground motions (microzonation). For short outline see Annex 3).	S. Parolai	40?