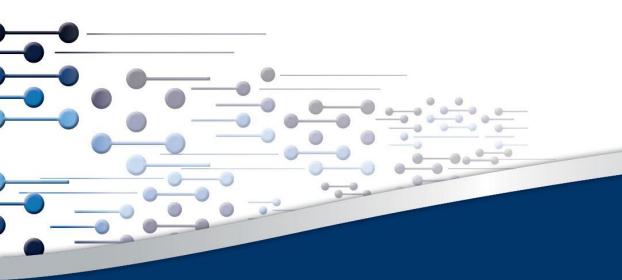
Planning Africa 2016 Making Sense of the Future: Disruption and Reinvention

3-5 July 2016 Sandton Convention Centre

Engela Petzer
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Thuli Ndlovu





THE RED BOOK

Revising and updating the Guidelines for Human Settlement Planning and Design



Engela Petzer, Tinus Kruger, Azra Rajab, Thuli Ndlovu





Content

Introduction

- the current Red Book

Background

the project to revise and update the Red Book

A new Red Book

responding to change

Conclusion





THE RED BOOK

Introduction

the current Red Book





Purpose

The intention of the new Red Book is to provide performance-based guidelines for informed decisionmaking. The purpose is essentially to indicate the qualities that should be sought in South African settlements, and to provide practical guidance on how these qualities can be achieved. The document is therefore intended to be educative, providing ideas and useful information, and not as a substitute for innovative planning and engineering practice (Behrens 1997).





Structure and content

Introduction

- Performance qualities to guide settlement-making
- Planning method and participation

Planning guidelines

- Layout, movement, land use
- Cross-cutting issues

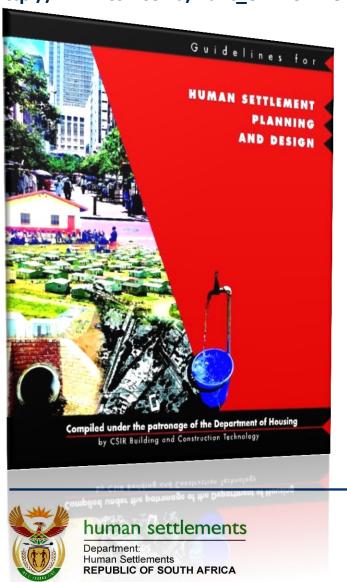
Engineering guidelines

- Technical requirements, engineering principles
- Technology choice
- Plus a non-technical companion guide
- Principles should inform decisions regarding planning and design
- Intention was for the Red Book to be a "living document"





http://www.csir.co.za/Built_environment/RedBook



Volume 1	
Chapter 1	▶ Introduction
Chapter 2	▶ A framework for settlement-making
Chapter 3	Spatial and structural principles for settlement-making
Chapter 4	Planning method and participation
Chapter 5	Planning guidelines
Volume 2	5.1 Movement networks 5.2 Public transport 5.3 Hard open spaces 5.4 Soft open spaces 5.5 Public facilities 5.6 Land subdivision 5.7 Public utilities 5.8 Cross-cutting issues 5.8.1 Environmental design for safer communities 5.8.2 Ecologically sound urban development 5.8.3 Fire safety
Chapter 6	▶ Stormwater management
Chapter 7	Roads: Geometric design and layout planning
Chapter 8	Roads: Materials and construction
Chapter 9	▶ Water supply
Chapter 10	Sanitation
Chapter 11	Solid waste management
Chapter 12	► Energy 12.1 Grid electricity 12.2 Other forms of energy

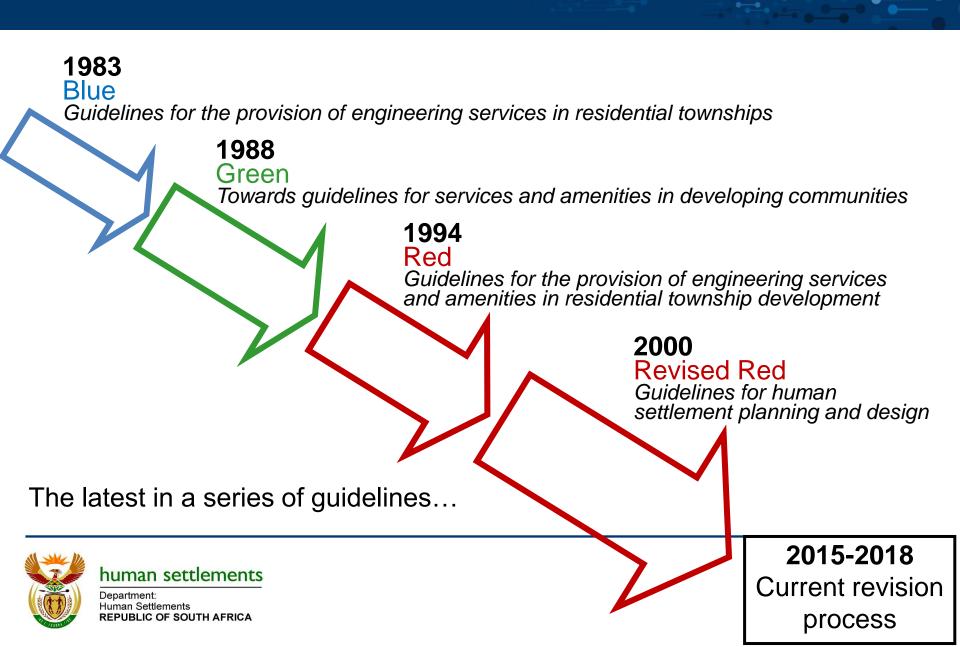


Applying the guidelines

- Aimed at architects, town planners, urban designers, engineers and developers in both the private and public sectors
- Neighbourhood scale, municipal level
- Allow choice, most suitable option for a particular context (not one-size-fits-all)
- Integrated planning multi-disciplinary and inter-disciplinary coordination







THE RED BOOK

Background

- the project to revise and update the Red Book





Responsible department and funding:

The Department of Human Settlements

- CSIR contracted to coordinate the project
- Project team includes DHS and CSIR employees and specialist sub-consultants
- Supported and guided by a Project Steering Committee and Thematic Reference Groups





Project Steering Committee

- Guidance on the nature, purpose and objectives of Red Book
- Highlighting issues of integration, policy implications
- Comprises individuals with experience representing the DHS and its entities, key government departments, councils for various built environment professions, SALGA and community organisations



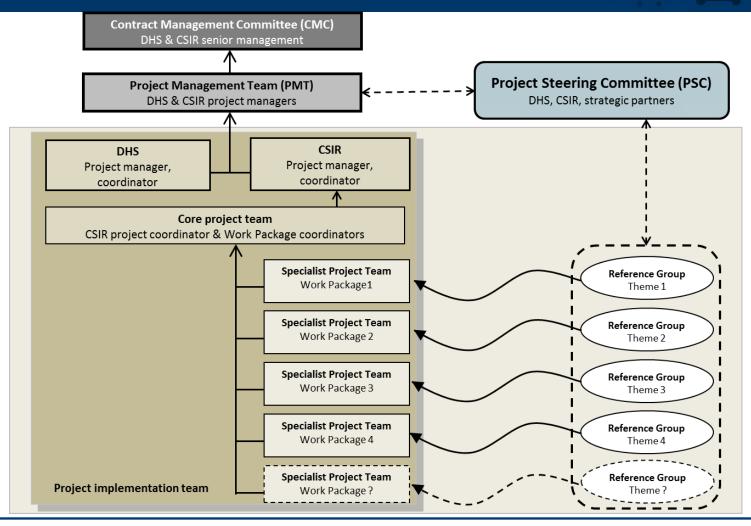


Thematic Reference Groups

- Practical, domain-specific guidance on revisions to be made and content to be included under each theme
- Assess appropriateness and accuracy of revised chapters
- Will consist of experienced representatives from relevant government departments, institutes representing built environment professionals and recognised local or international specialists











The revision involves the following:

- Refining and updating existing information, refocussing and rewriting existing chapters
- Adding new information to existing chapters
- Developing new sections based on research and consultation





Two phase work plan

- Phase I
 - Numerous assessments aimed at informing the structure and content of the updated and revised Red Book
 - Desktop studies
 - Key interviews
 - Assessment of current guidelines
- Phase II
 - Consultation process
 - Consolidation of assessments
 - Prepare newRed Book





THE RED BOOK

A new Red Book

responding to change





The revision is conducted to:

Respond to socio-political changes and challenges, both global and local

- climate change
- resource scarcity
- globalisation
- poverty

- inequality
- rapid urbanisation
- informality
- migration





The revision is conducted to:

Give effect to policy, legislation and plans

- The new Red Book would assist in re-structuring our settlements over time to reflect the qualities and objectives outlined in:
 - the National Development Plan
 - the Comprehensive Plan for the Development of Sustainable Human Settlements (Breaking New Ground)
 - the Integrated Urban Development Framework
 - the Spatial Planning and Land Use Management Act
- The document would also play a role in supporting the global Sustainable Development Goals





The revision is conducted to:

Ensure that technical information, standards and costs are up to date

- Changes in international and local standards
- Costs to be amended and refined
- Missing information
- Incorrect or outdated technical information





The revision is conducted to:

Include recent technological innovation

- The pressure to adapt to climate change and resource scarcity implies that there is a need to incorporate alternative appropriate technologies for housing and municipal service delivery (e.g. materials to be used, methods to be followed)
- Maintain a balance between established practices and cutting-edge technology
- Provide guidance in selecting appropriate technologies





The revision is conducted to:

Acknowledge current approaches to settlement planning and design

- Water sensitive design
- Pedestrian-friendly neighbourhoods
- Co-production of human settlements
- Transit-oriented development
- Informal settlement upgrading
- Use of appropriate housing typologies
- Universal access





The revision is conducted to:

Respond to user requirements

- Guidelines have to be practical, appropriate and user friendly.
 Issues highlighted through consultation:
 - capacity constraints
 - service delivery challenges
 - informal settlement upgrading
 - integration and coordination
 - rural settlements
 - trade-offs
 - appropriate technologies
 - context-specific challenges





THE RED BOOK

Conclusion





Conclusion

- The new Red Book intends to be practical, interpreting policy into action and changing the way planning and design of our human settlements are done
- The ultimate aim with the new Red Book is to effect significant, visible changes in the built environment that would result in vibrant, safe and resource-efficient settlements that are economically, physically, environmentally and socially integrated
- This three year long process will result in an integrated and comprehensive set of national settlement planning and design guidelines by the end of 2017.





Conclusion







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