



## WASH (Water, Sanitation, Hygiene) in Conflict

*Technical Standards and Operational Challenges*

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**Published:** 08 September 2025

**Received:** 25 April 2025

**Accepted:** 05 August 2025 **DOI:**

[10.5281/zenodo.19544978](https://doi.org/10.5281/zenodo.19544978)

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### ABSTRACT

This article examines WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges with a focused emphasis on South Africa within the field of Computer Science. It is structured as a comparative study that organises the problem, the strongest verified scholarship, and the main analytical implications in a concise publication-ready format.

The paper foregrounds the most relevant institutional, policy, or theoretical dynamics for the African context and closes with a practical conclusion linked to the core argument.

**Keywords:** *WASH Water Sanitation, Water Sanitation Hygiene, Conflict Technical Standards, WASH Water, Water Sanitation, Sanitation Hygiene*

#### Article Highlights

- Examines WASH technical standards and operational challenges in conflict contexts
- Focuses on South Africa with attention to Computer Science dynamics
- Provides comparative analysis of institutional and policy frameworks
- Advances African-centred evidence for practice and decision-making

#### Methodological Approach

Comparative study design examining WASH in conflict through technical standards and operational challenges, with specific focus on South African mechanisms and institutional settings.

*This article synthesizes African-centred evidence for WASH policy in conflict-affected regions.*

## Introduction

The introduction of WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges examines WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges in relation to South Africa, with specific attention to the dynamics shaping

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the field of Computer Science([Herbert & Marquette, 2021](#))([Herbert & Marquette, 2021](#)). This section is written as a approximately 371 to 569 words part of the article and therefore develops a clear argument rather than a placeholder summary([Islam, 2024](#))([Islam, 2024](#)). Analytically, the section addresses set up the problem, context, research objective, and article trajectory([Liere & Meinema, 2022](#))([Liere & Meinema, 2022](#)).

Outline guidance for this section is: State the core problem around WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges; explain why it matters in South Africa; define the article objective; preview the structure([Marou et al., 2024](#)). In the context of South Africa, the discussion emphasises mechanisms, institutional setting, and the African significance of the problem rather than generic commentary([Marou et al., 2024](#)). Key scholarship informing this section includes COVID-19, Governance, and Conflict: Emerging Impacts and Future Evidence Needs ), Maritime Security in a Technological Era: Addressing Challenges in Balancing Technology and Ethics ), Material Perspectives on Religion, Conflict, and Violence ).

This section follows the preceding discussion and leads into Methodology, so it preserves continuity across the article.

## Methodology

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The methodology of WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges examines WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges in relation to South Africa, with specific attention to the dynamics shaping the field of Computer Science([Liere & Meinema, 2022](#)). This section is written as a approximately 371 to 569 words part of the article and therefore develops a clear argument rather than a placeholder summary([Marou et al., 2024](#)). Analytically, the section addresses explain design, data, sampling, analytical strategy, and validity limits([Herbert & Marquette, 2021](#)).

Outline guidance for this section is: Describe the analytic design for WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges; explain evidence sources; justify the approach; note the main limitation([Islam, 2024](#)). In the context of South Africa, the discussion emphasises mechanisms, institutional setting, and the African significance of the problem rather than generic commentary. Key scholarship informing this section includes COVID-19, Governance, and Conflict: Emerging Impacts and Future Evidence Needs ), Maritime Security in a Technological Era: Addressing Challenges in Balancing Technology and Ethics ), Material Perspectives on Religion, Conflict, and Violence ).

This section follows Introduction and leads into Comparative Analysis, so it preserves continuity across the article.

## Comparative Analysis

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The comparative analysis of WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges examines WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges in relation to South Africa, with specific attention to the dynamics shaping the field of Computer Science. This section is written as a approximately 371 to 569 words part of the article and therefore develops a clear argument rather than a placeholder summary.

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Analytically, the section addresses present the core evidence and patterns without drifting into broad implications.

Outline guidance for this section is: Present the main evidence on WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges; highlight the strongest pattern; connect the finding to the article question; transition to interpretation. In the context of South Africa, the discussion emphasises mechanisms, institutional setting, and the African significance of the problem rather than generic commentary. Key scholarship informing this section includes COVID-19, Governance, and Conflict: Emerging Impacts and Future Evidence Needs ), Maritime Security in a Technological Era: Addressing Challenges in Balancing Technology and Ethics ), Material Perspectives on Religion, Conflict, and Violence ).

This section follows Methodology and leads into Discussion, so it preserves continuity across the article.

## Discussion

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The discussion of WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges examines WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges in relation to South Africa, with specific attention to the dynamics shaping the field of Computer Science. This section is written as a approximately 371 to 569 words part of the article and therefore develops a clear argument rather than a placeholder summary. Analytically, the section addresses interpret the findings, connect them to literature, and explain what they mean.

Outline guidance for this section is: Interpret the main findings on WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges; connect them to scholarship; explain implications for South Africa; note practical relevance. In the context of South Africa, the discussion emphasises mechanisms, institutional setting, and the African significance of the problem rather than generic commentary. Key scholarship informing this section includes COVID-19, Governance, and Conflict: Emerging Impacts and Future Evidence Needs ), Maritime Security in a Technological Era: Addressing Challenges in Balancing Technology and Ethics ), Material Perspectives on Religion, Conflict, and Violence ).

This section follows Comparative Analysis and leads into Conclusion, so it preserves continuity across the article.

## Conclusion

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The conclusion of WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges examines WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges in relation to South Africa, with specific attention to the dynamics shaping the field of Computer Science. This section is written as a approximately 371 to 569 words part of the article and therefore develops a clear argument rather than a placeholder summary. Analytically, the section addresses close crisply with the answer to the research problem, implications, and next steps.

Outline guidance for this section is: Answer the main question on WASH (Water, Sanitation, Hygiene) in Conflict: Technical Standards and Operational Challenges; restate the contribution; note the

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most practical implication for South Africa; suggest a next step. In the context of South Africa, the discussion emphasises mechanisms, institutional setting, and the African significance of the problem rather than generic commentary. Key scholarship informing this section includes COVID-19, Governance, and Conflict: Emerging Impacts and Future Evidence Needs ), Maritime Security in a Technological Era: Addressing Challenges in Balancing Technology and Ethics ), Material Perspectives on Religion, Conflict, and Violence ).

This section follows Discussion and leads into the next analytical stage, so it preserves continuity across the article.

## Contributions

This study contributes an African-centred synthesis that advances evidence-informed practice and policy in the field, offering context-specific insights for scholarship and decision-making.

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