Technical Writing and Speaking in English Finishing the Introduction (Stages 3, 4, and 5)

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Research Gaps (Stage 3)

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- Stage 3 indicates an area that is not treated in the previous literature, but that is important from the point of view of your own work
- It moves the reader logically from the literature review to the purpose of your study

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Research Gaps (Stage 3)

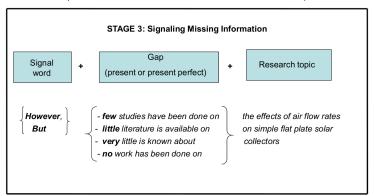
Writing strategies:

- Inadequate/ignored aspect: You may indicate that the previous literature described in Stage 2 is inadequate because an important aspect of the research area has been ignored by other authors
- Unresolved conflict: You may indicate that there is an unresolved conflict among the authors of previous studies concerning the research topic. This may be a theoretical or methodological disagreement
- Extension/new research question: You may indicate that an examination of the previous literature (Stage 2 content) suggests an extension of the topic, or raises a new research question not previously considered by other workers in your field

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Stage 3: Signal Words

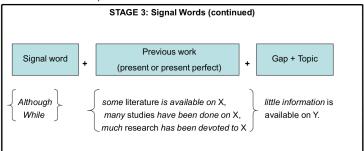
- Special signal words are commonly used to indicate the beginning of Stage 3.
- Connectors such as however are used for this purpose. The connector
 is followed immediately by a gap statement in the present or present
 perfect tense, which contains modifiers such as few, little or no.



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Stage 3: Signal Words

Subordinating conjunctions like **although** and **while** can also be used to signal Stage 3. If you use these kinds of signals, you must write a complex sentence, using modifiers like **some**, **many** or **much** in the first clause, and modifiers like **little**, **few** or **no** in the second clause.



Notice that nouns like **literature**, **research** and **work** are uncountable and are therefore followed by singular verb forms.

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Exercise 1

Open Exercises/5-finishing-introduction.pdf and follow the instructions of **Exercise 4.2**.

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Statement of Purpose (Stage 4)

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Writing Stage 4: The Statement of Purpose

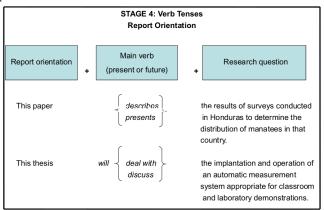
- Stage 4 serves to state as concisely as possible the specific objective(s) of your research report.
- This stage, the statement of purpose, thus follows directly from Stage 3 because it answers the need expressed in Stage 3 for additional research in your area of study.

Two kinds of orientation: (1) towards the report/paper/thesis/manuscript itself, and (2) towards the research activity/work/study.

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Orientation 1: towards the report itself

- The orientation of the statement of purpose may be towards the report itself – that is, it may refer to the paper (thesis, dissertation, or report) that communicates the information about the research.
- If you choose to use the report orientation, use the present or future tense.

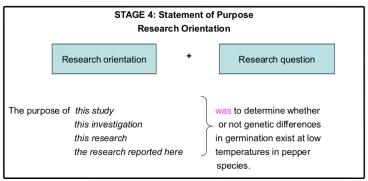


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Orientation 2: towards the research activity

- The orientation of the statement of purpose may also be towards the research activity, in other words the study itself, rather than the written report.
- If you choose the research orientation you should use **the past tense**, because the research activity **has already been completed**.



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Exercise 2

Open Exercises/5-finishing-introduction.pdf and follow the instructions of **Exercise 4.3**.

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Exercise 2 answers

• Sentences: C, E, F, A, B, D

• Stages: 1, 2, 2, 2, 3, 4

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Exercise 3

Open Exercises/5-finishing-introduction.pdf and follow the instructions of **Exercise 4.4**.

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Exercise 3 answers

- lacktriangledown Report o This study developed . . .
- **2** Research \rightarrow The aim of this report is to examine/describe...
- lacktriangle Research o This report is an attempt to provide . . .
- **9** Research \rightarrow The purpose of this paper is to further examine/describe. . .
- **5** Report \rightarrow This study examined...

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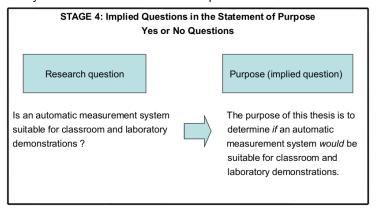
Stage 4 and Your Research Question

- Stage 4 should be **directly related to the research question** upon which you based your study.
- You may not need to include the research question explicitly in your report. Howerver, the statement of purpose should be written so that your reader can infer the research question behind your study.
- Two strategies: (1) for yes/no (closed) questions, and (2) for information (open) questions.

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For **yes/no** (closed) questions

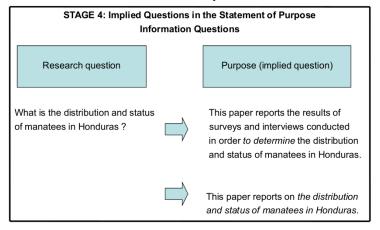
 If the implied research question is a yes or no question, the connecting words whether or if are used in Stage 4, and a modal auxiliary like would or could accompanies the verb.



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For **information** (open) questions

 When the implied question is an information question, if/whether is omitted and an infinitive or noun phrase is used.



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Statement of value (Stage 5)

Writing Stage 5: The Statement of Value

- In Stage 5 you justify your research on the basis of some possible value or benefit the work may have to other researchers in the field or to people working in practical situations.
- Stage 5 is not always present in the introduction:
 - Often present in a thesis, dissercation, or thesis proposal.
 - Often present in research reports that describe a project conducted with money from outside sources.
- Two points of view regarding possible value or benefit : (1) **practical** or (2) **theoretical**.

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Stage 5: practical benefit point of view

 The statement of value may be written from the point of view of the practical benefits which may result from applying the findings of your research.

Example 1

This research may provide an alternative solution to the problem of manually demonstrating instrumentation principles in classroom environments.

Example 2

The results of this study could be useful to educators responsible for planning course work in consumer education.

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Stage 5: theoretical benefit point of view

 Or you may write the statement of value to emphasize the theoretical importance of your study in advancing the state of knowledge in your specific area of research.

Example 1

Both of the factors under investigation in this study **may be of importance in explaining** the irregular occurrence of this disease.

Example 2

Results of this study may suggest a broader hypothesis for further research into the effects of atmospheric chemicals on rubber.

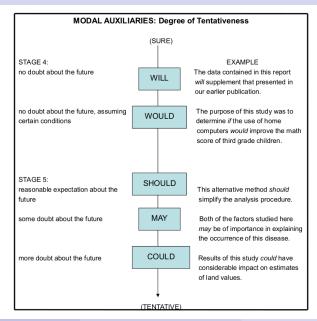
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Stages 4 and 5: Selecting the Best Modal Auxiliaries

- Selecting the most appropriate modal auxiliary is often a problem because the meanings of some of these words differ only slightly from one another.
- The modals are listed here in order of their degree of tentativeness.

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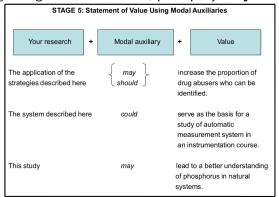
Stages 4 and 5: Selecting the Best Modal Auxiliaries



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Stage 5: Model Auxiliaries and Tentativeness

• Stage 5, the statement of value, is usually written in a way that suggests an attitude of tentativeness or modesty on the part of the author. When reporting your own study, you should not sound too sure of the benefits, either practical or theoretical, of your work. It is conventional to sound more cautious. This is accomplished in Stage 5 by using modal auxiliaries, principally may.



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Exercise 4

Open Exercises/5-finishing-introduction.pdf and follow the instructions of **Exercise 4.6**.

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Exercise 4 answers

- closed question → would/could
- ② closed question → would/could/might
- \odot information \rightarrow could
- \bullet information \rightarrow should/may/could

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Checklist for stages 3, 4, and 5

Information

- Include all three stages in their proper order
- Indicate a gap in the research in Stage 3
- Choose research or report orientation for Stage 4
- Choose theoretical or applied perspective for Stage 5

Language

- Use appropriate signal words and modifiers in Stage 3
- Use present or past tense in Stage 4, depending on orientation
- Use modal auxiliaries to indicate tentativeness in Stage 5

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